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# UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH SERVICE

PLANT QUARANTINE BRANCH

SERVICE AND REGULATORY ANNOUNCEMENTS

## LIST OF INTERCEPTED PLANT PESTS, 1953

(List of Pests Recorded from July 1, 1952, through June 30, 1953 as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

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Plant Quarantine Aid

### INTRODUCTION

This report summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not offered for entry through customs, (4) offered for entry for immediate transportation and exportation in bond, and (5) in domestic shipments between the American Virgin Islands, Hawaii, and Puerto Rico and the mainland. It covers the fortieth year for which interception lists have been issued.

Comprising this list are insects and plant diseases of known or potential plant quarantine importance with a few diseases of particular interest added even though they are rather widely distributed in the United States.

Some collections made late in the year are included in the report for the following year, since determinations cannot be obtained immediately for all of them. Occasionally determinations are delayed for longer periods. The data for this list were obtained from routine reports by personnel of the Plant Quarantine Branch supplemented by information supplied by State and Customs officials. The States of California and Florida maintain staffs of specialists who identify a large proportion of the material collected at their ports. Specialists of the Horticultural Crops Research Branch determine many of the difficult or unusual pathogens collected at the ports.

All scientific names are reviewed by appropriate specialists in the Department to assure conformance to the international rules of nomenclature.

Although every effort is made to give the correct origin for all collections listed, the alleged origin of all host-plant materials cannot be verified. Questionable items are therefore omitted or the origin is listed as unknown.

Since the great increase in air-cargo transportation, a proportionally large number of importations of various plants, plant products, seeds, fruits, rhizomes, corms, and bulbs have arrived rapidly from all parts of the world. The oat nematode is now included with the golden nematode and fruit flies in the category of the more important pests.



## INTERCEPTIONS FROM AIR-BORNE MATERIAL

Important plant pests unknown in the United States were intercepted arriving from their native homes where they cause serious damage to agriculture. Some of the most injurious insects, nematodes, and plant diseases intercepted arrived in, on, or with air-borne fruits and plant material. During the year 3,529 interceptions of insects were made in baggage, express, freight, mail, and stores on imported plant parts or as stowaways and 444 interceptions of plant diseases.

Some important insects intercepted in air-borne material were:

*Adoxophyes orana* on cut flowers of lilac in cargo from Denmark, the Netherlands, and Sweden.

The citrus blackfly (*Aleurocanthus woglumi*) on lime leaf in baggage from Mexico.

*Anastrepha fraterculus* in guava in baggage from Mexico, in mango in baggage from Nicaragua; *A. ludens* in cherimoya in baggage from Honduras and in orange in baggage and quarters from Mexico; *A. mombinpraeoptans* in guava in baggage from Puerto Rico, in hog plum in baggage from Jamaica, in mangoes in baggage from the Bahamas, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Jamaica, Mexico, Nicaragua, Salvador, and Trinidad, in yellow mombins in baggage from Nicaragua and Salvador; *A. mombinpraeoptans* (?) in guava in baggage from Puerto Rico and in yellow mombin in baggage from Trinidad; *A. serpentina* in sapodilla in baggage from Guatemala; *A. striata* in guavas in baggage from Guatemala and Panama; *A. suspensa* in guavas in baggage and mail from Puerto Rico and in mango in baggage from Cuba.

*Caryedon fuscus* in golden-shower seed pod in preflight inspection of baggage leaving Hawaii for the mainland.

The Mediterranean fruit fly (*Ceratitis capitata*) in *Annona* sp. in baggage from the Madeira Islands, in apples in baggage from the Azores and Yugoslavia, in coffee berries in baggage from Brazil, in date in baggage from Lebanon, in guava in baggage from Portugal, in kaki persimmon in baggage from Italy, in loquats in baggage from the Madeira Islands and Portugal, in medlar in baggage from Italy, in orange in baggage from Malta, in orange in stores from an unknown origin, in peaches in baggage from France and Portugal, in peaches in stores from France and Spain, in pear in baggage from Portugal, in persimmon in baggage from Italy, in plum in stores from France, in pricklypear in baggage from Italy, and in quince in baggage from Turkey; *C. capitata* (?) in *Annona* sp. in baggage from the Azores, in apple and fig in baggage from Portugal, in guava in baggage from the Azores, in orange in stores from Israel, and in peach in baggage from Italy.

The Asiatic rice borer (*Chilo simplex*) in rice straw in baggage from Japan.

The banana root borer (*Cosmopolites sordidus*) in banana in baggage from Guadeloupe.

*Cylas formicarius* var. in sweetpotato in cargo from Thailand.

*Dacus caudatus* in fruit and seed of *Macrozanonia macrocarpa* in cargo from Indonesia; the Oriental fruit fly (*D. dorsalis*) in avocado, coffee, guava, India almond, and mango in preflight inspection of baggage leaving Hawaii for the mainland, in box of anthuriums in preflight inspection of cargo leaving Hawaii for the mainland; *D. dorsalis* (?) in mango in preflight inspection of baggage leaving Hawaii for the mainland; *D. oleae* in olive in baggage from Italy, Lebanon, Portugal, Spain, and Syria.

*Dysdercus flavolimbatus* on palm fronds in cargo from Mexico.

*Epinotia opposita* in string bean in baggage from Mexico.

*Ereunetis flavistriata* in coconut in preflight inspection of baggage leaving Hawaii for the mainland.

Presumably, the Oriental fruit moth (*Grapholitha molesta*) in peach in baggage from Japan.

A bean pod borer, *Maruca testulalis*, in a lei of mauna loa flowers in preflight inspection of baggage leaving Hawaii for the mainland.

*Paraputo taraktogoni* on *Curcuma amada* tuber in express from India.

The pink bollworm (*Pectinophora gossypiella*) in cottonseed in express from the American Virgin Islands, in cargo from Italian Somaliland, and in preflight inspection of cottonseed in baggage leaving Hawaii for the mainland, in okra in baggage from Haiti, Trinidad, and Turkey.

*Polychrosis botrana* in grapes in baggage from Germany and Italy.

*Prays oleellus* in olive in baggage from Italy.

*Rhagoletis cerasi* in cherries in baggage from France, Germany, and Italy, in



cherries in stores from France, Italy, the Netherlands, and Portugal; the apple maggot (*R. pomonella*) in apple in stores from Mexico.

The papaya fruit fly (*Toxotrypana curvicauda*) in papaya in baggage from Panama.

Interceptions of air-borne plant pathogens not believed to be established in the United States or of limited distribution were as follows:

*Cercospora pini-densiflorae* on Japanese white pine in cargo from Japan.

*Coniothyrium hellebori* on Christmas-rose in cargo from the Netherlands.

*Cryptospora longispora* on Norfolk-Island-pine in cargo from Australia.

*Puccinia horiana* on *Chrysanthemum morifolium* and *Chrysanthemum* sp. in baggage from Japan and on *Chrysanthemum* sp. in quarters from Japan; *P. kusanoi* on bamboo leaf in baggage from the Philippines; *P. ornithogali-thyrsoides* on chinkerichee in express from the Union of South Africa.

*Urocystis gladiolicola* on corms of *Gladiolus tristis* in mail from Ireland.

*Uromyces alyxiae* on alyxia in preflight inspection of baggage and cargo leaving Hawaii for the mainland.

Citrus canker (*Xanthomonas citri*) on lemon in baggage from Truk Islands.

Nematodes were also found in air-borne material as follows:

The oat nematode (*Heterodera avenae*) in soil with narcissus and galanthus bulbs and assorted plants in baggage from Germany, in soil with *Malus* sp. roots in cargo from Italy, in soil with geranium plants in baggage from Sweden, in soil with oleander plants in baggage from Yugoslavia; *H. punctata* in soil with carnation plants in baggage from Austria, in soil with delphinium plants in baggage from England, in soil with a beech tree in baggage from Ireland, in soil with unidentified plants in baggage from Italy; the golden nematode (*H. rostochiensis*) in soil with amaryllis bulbs in baggage from Denmark, in soil with lavender plants in baggage from England, in soil with potatoes in baggage from Germany, in soil with heather in baggage and mail from Scotland, in soil with miniature rose plants in baggage from Scotland.

## NOTES ON INSECTS INTERCEPTED

### FRUIT FLIES

The following fruit flies were intercepted:

Two adults of *Anastrepha distincta* with cargo shipment of bananas from Panama; *A. fraterculus* in orange in stores from Brazil, in mango in baggage from Mexico and in mango in air baggage from Nicaragua, in guava, peach, and pear in baggage from Mexico; *A. fraterculus* (?) in guava in air baggage from Nicaragua and in sapodilla in baggage from Venezuela; the Mexican fruit fly (*A. ludens*) in avocado, white sapote (*Casimiroa edulis*), citron, and grapefruit in baggage from Mexico, in cherimoya in air baggage from Honduras, in oranges in baggage and stores from Guatemala and Mexico, in oranges in air baggage, air quarters, quarters, and stores from Mexico, in garbage can (host unknown) from Mexico, in mangoes in baggage and stores from Mexico, in peach, pear, pomegranate, quince, sapote, sour orange, and sweet lime in baggage from Mexico; *A. ludens* (?) in orange in air baggage and in orange, pear, and sweet lime in baggage from Mexico; the West Indian fruit fly (*A. mombinpraeoptans*) in cashew nut in cargo from Tortola, in grapefruit in stores from Brazil, in guava in air baggage from Puerto Rico and in guava in baggage from Honduras, in mangoes in air baggage from the Bahamas, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Jamaica, Mexico, Nicaragua, Salvador, and Trinidad, in hog plum in air baggage from Jamaica, in jobo de la India in stores from Guadeloupe, in mangoes in baggage from Dominican Republic, Mexico, and Panama, in mango in mail from Puerto Rico, in mangoes in stores from Honduras, Mexico, and Nicaragua, in mango in quarters from Jamaica, in plum in baggage from Mexico, in purple mombin in cargo from the British Virgin Islands, in rumberry eugenia in cargo from Jost Van Dykes and Tortola, in yellow mombins in air baggage from Nicaragua and Salvador; *A. mombinpraeoptans* (?) in guava in air baggage from Puerto Rico and in yellow mombin in air baggage from Trinidad; *A. parallela* (?) in grapefruit in stores from Brazil; *A. serpentina* in mamey and mango in baggage from Mexico, in orange in stores from Brazil, in sapodilla in air baggage from Guatemala, and in sapodilla in baggage from Trinidad; *A. striata* in guavas in air baggage from Guatemala and Panama; *A. suspensa* in grapefruit in stores from Trinidad, in mango in air baggage from Cuba, in guavas in air baggage and air mail from Puerto Rico, and in guavas in baggage from Cuba and Mexico.

The Mediterranean fruit fly (*Ceratitis capitata*) in *Annona* sp. in air baggage from the Madeira Islands. in apples in air baggage from the Azores and Yugo-



slavia, in apple in baggage from Italy, in coffee berries in air baggage from Brazil and in coffee berries in baggage from Hawaii, in date in air baggage from Lebanon, in fig in mail from France, in grapefruit in stores from Egypt, in guava in air baggage from Portugal, in kaki persimmon in air baggage from Italy, in lemon in baggage from Italy, in loquats in air baggage from the Madeira Islands and Portugal, in Mandarin oranges in baggage and cargo from Italy, in medlar in air baggage from Italy, in orange in air baggage from Malta, in orange in baggage from Italy, in oranges in quarters from Italy and Spain, in orange in air stores from an unknown origin, in oranges in stores from Brazil, Italy, and Morocco, in peaches in air baggage from France and Portugal, in peaches in air stores from France and Spain, in pear in air baggage from Portugal, in pear in baggage from Italy, in persimmon in air baggage from Italy, in plum in air stores from France, in prickly-pear in air baggage and baggage from Italy, in quince in air baggage from Turkey, in quince in baggage from Greece and Italy, in strawberry guava in mail from the Azores; *C. capitata* (?) in *Annona* sp. in air baggage from the Azores, in apples in air baggage from the Azores and Portugal, in apple in baggage from the Union of South Africa, in coffee berries in air baggage from Brazil and in coffee berries in baggage from Hawaii, in fig in air baggage from Portugal, in grapefruit in stores from Italy, Mozambique, and the Union of South Africa, in guava in air baggage from the Azores, in loquat in mail from the Azores, in Mandarin orange in baggage from Israel, in orange in baggage from Malta, in orange in air stores from Israel, in oranges in stores from Italy, Morocco, Spain, and an unknown origin, in peaches in air baggage and baggage from Italy, in peach in stores from the Union of South Africa, in pear in baggage from Italy, in pepper in stores from Hawaii, in persimmon, pomegranate, and quince in baggage from Italy.

*Dacus caudatus* in *Macrozanonia macrocarpa* in air cargo from Indonesia; the melon fly (*D. curcurbitae*) in balsam-pear in baggage from the Philippines, in cucumber, pepper, squash, and tomato in stores from Hawaii, in pumpkin in cargo from Hawaii; the Oriental fruit fly (*D. dorsalis*) in avocado in air baggage, mail, and stores from Hawaii, in coffee berries, guava, and India almond in preflight inspection of baggage leaving Hawaii for the mainland, in a box of anthuriums in preflight inspection of cargo leaving Hawaii for the mainland, in guava in baggage and quarters from Hawaii, in mango in preflight inspection of mail leaving Hawaii for the mainland, in tomato in stores from Hawaii, 2 adults in an airplane leaving Hawaii for the mainland; *D. dorsalis* (?) in mango in preflight inspection of baggage leaving Hawaii for the mainland; *D. oleae* in olives in air baggage from Italy, Lebanon, Portugal, Spain, and Syria, in olive in baggage and mail from Italy.

*Rhagoletis cerasi* in cherries in air baggage from France, Italy, and Germany, in cherries in air stores from France, Italy, the Netherlands, and Portugal; *R. cerasi* (?) in cherry in air baggage from Italy, *R. pomonella* in apples in baggage and air stores from Mexico, in thornapple in baggage from Mexico; *R. pomonella* (?) in apple in baggage from Mexico.

The papaya fruit fly (*Toxotrypana curvicauda*) in papaya in air baggage from Panama, in papaya in cargo from Mexico, and in papaya in stores from Trinidad.

#### INSECTS OTHER THAN FRUIT FLIES

The following miscellaneous insects of interest were intercepted:

*Acrolepia assectella* (Hyponomeutidae) in garlic in stores from France.

The citrus blackfly (*Aleurocanthus woglumi*) on leaves of *Citrus* sp. in baggage, cargo, and stores from Mexico, on coffee leaf, grapefruit leaf, leaf of Mandarin orange, orange leaf, and sweet lime leaf in baggage from Mexico and on sour lime leaves in cargo and stores from Mexico.

A curculionid, *Anthonomus rectirostris*, with seed of *Prunus serrulata lannesiana* in mail from Japan.

*Antonina graminis* (Coccidae) on Bermuda grass in mail from Mexico.

Three curculionids, *Apion aenum* and *A. radiolus* in hollyhock mallow in baggage from Italy and *A. carduorum* in globe artichoke in stores from France and Italy.

*Brachycerus albidentatus* (Curculionidae) in garlic in baggage and cargo from Italy and *B. algirus* in garlic in cargo from Italy and Spain.

A bruchid, *Bruchus luteicornis*, in vetch seed in cargo from France.

An olethreutid, *Cryptophlebia leucotreta*, in grapefruit and orange in stores from Belgian Congo and the Union of South Africa and in pummelo in quarters and stores from the Union of South Africa.

*Cylas formicarius* (Curculionidae) in sweetpotatoes in cargo and air stores from India and in sweetpotato in stores from the Straits Settlements; *C. formicarius* var. in sweetpotato in air cargo from Thailand.



A curculionid, *Diaprepes famelicus* var., on cut flowers of hibiscus and lilies in baggage from Bermuda.

*Dyspessa ulula* (Cossidae) in garlic in cargo from Italy and Spain.

A bean pod borer, *Epinotia opposita*, in string beans in baggage, cargo, and stores from Mexico and in string beans in stores from Peru and Uruguay.

A gelechiid, *Gnorimoschema borsaniella* (?) in pepper in stores from Brazil.

A phalaenid, *Gortyna flavago*, in cardoon in cargo from Italy.

*Gymnandrosoma aurantianum* (Olethreutidae) in orange in stores from Brazil.

*Leucinodes orbonalis* (Pyraustidae) in eggplant in stores from the Cape Verde Islands.

A curculionid, *Lixus junci*, in beet in stores from Egypt.

*Phyllotreta consobrina* (Chrysomelidae) and *P. undulata* in cabbage in stores from France; *P. nigripes* in watercress in air stores from France.

*Polychrosis botrana* (Olethreutidae) in grapes in air baggage from Germany and Italy.

*Prays oleellus* (Hyponomeutidae) in olive in air baggage from Italy.

A chrysomelid, *Psylliodes chrysocephala*, in turnip in stores from France.

*Rhynchaenus populi* (Curculionidae) on lilac in cargo from the Netherlands.

A pentatomid, *Scotinophora lurida*, with rice straw packing in cargo from Japan.

*Sesamia cretica* (Phalaenidae) in broomcorn in cargo from France, Greece, Italy, and Turkey.

*Stenoma catenifer* (Stenomidae) in avocado seed in air baggage, baggage, quarters, and stores from Mexico.

A scolytid, *Stephanoderes hampei*, in coffee in mail from Belgian Congo, Brazil, and an unknown origin.

*Tortrix excessana* (Tortricidae) and *T. postvittana* in apples in cargo from New Zealand.

*Vinsonia stellifera* (Coccidae) on *Broughtonia* sp. in air cargo from Jamaica, on *Garcinia* sp. in mail from the Canal Zone, and on several different orchids, all for propagation, from the Canal Zone, Jamaica, Panama, Trinidad, and Venezuela.

#### SNAILS

The giant African snail (*Achatina fulica*) continues to be intercepted with scrap metal and returned war equipment from the South Pacific. Five interceptions were made at San Francisco, Calif., on returned war equipment from Guam, the Philippines, and Saipan, 5 at San Pedro, Calif., on scrap metal and returned war equipment from Guam, and one at Houston, Tex., on scrap army vehicles from Guam or Saipan.

Other injurious snails intercepted and not known to be established in some states were:

*Bradybaena similaris* with *Anthurium* sp. flowers and tree fern block in preflight inspection of baggage leaving Hawaii for the mainland, with ti leaves during preflight inspection of cargo leaving Hawaii for the mainland and with *Billbergia* sp., fern chips, and *Heliconia* sp. blossoms during preflight inspection of mail leaving Hawaii for the mainland; at Philadelphia, Pa., with celery in stores from Lebanon.

*Deroceras reticulatum* at Boston, Mass., with cabbage in stores from England, with a stalk of fennel in stores from Belgium and in soil with assorted plants in air baggage from the Azores; at Honolulu, Hawaii with *Cymbidium* sp., an orchid, in air cargo from Australia, with unknown leaves in air baggage from Japan, with lettuce in air quarters from the Philippines; at New York, N. Y., with lettuce in stores from Portugal; at Miami, Fla., with Araceae plants in air baggage from Costa Rica; at New Orleans, La., with cabbage in stores from Spain; at Philadelphia, Pa., with celery in stores from the Netherlands and with cabbage in stores from Italy, New Zealand, and Spain.

*Helix aspersa* with cut flowers during preflight inspection of baggage leaving Hawaii for the mainland; at Nogales, Ariz., with agave plants in baggage from Mexico.

*Limax marginatus* at Honolulu, Hawaii with *Chaenomeles* sp. in air baggage from Japan and with cabbage in stores from Spain; *L. maximus* at Philadelphia, Pa., with cabbage in stores from Italy.

*Monacha obstructa*, not in the United States and probably injurious, at San Pedro, Calif., with vegetables in stores from Lebanon (?).



## NOTES ON DISEASES INTERCEPTED

Japan continues to be the origin of the greatest number of interceptions (120) of citrus canker (*Xanthomonas citri*), 74 of which were on oranges, 19 on lemons, 10 on grapefruit, 6 on Mandarin oranges, 3 each on sour oranges and *Citrus* sp., 2 each on pummelo and *Citrus aurantium* var., and 1 on sour lime. Eleven interceptions came from China, 3 on Mandarin oranges and 8 on oranges. India contributed 4 interceptions, all on sour limes. Korrer Island had 2 interceptions, 1 on lime and the other one on orange. Two interceptions on oranges arrived from unknown origin. One came from Ceylon on sour lime, 1 on lemon from Truk Islands, 1 on lemon peel from the Philippines, 1 on orange peel from Saipan, and 1 on lime from the Marianas.

"Cancrosis B" (*Xanthomonas* sp. (?)), another bacterial disease of citrus producing symptoms similar to citrus canker, was intercepted 4 times on lemon in stores from Argentina.

*Chrysomyxa rhododendri*, a spruce and rhododendron rust, was intercepted 13 times on *Rhododendron ferrugineum* from Switzerland and once from Austria, twice on *Rhododendron* sp. from Switzerland, and once on *R. azaleodendron* from England.

The sweet orange fruit scab (*Elsinoe australis*) was intercepted 107 times. Of these interceptions 42 were from Argentina, 57 from Brazil, 1 from Paraguay, and 7 from Uruguay, on lemon, Mandarin orange, orange, sour lime, and sour orange.

Other interceptions were:

*Cercospora angreci* on *Odontioda madeline*, an orchid, in cargo from Belgium; *C. handelii* on rhododendron in cargo from Belgium and the Netherlands; *C. pini-densiflorum* on Japanese white pine in air cargo from Japan; *C. rhododendri* on rhododendron in cargo from the Netherlands.

*Coleosporium bletiae* on *Phajus wallichii*, an orchid, in mail from India.

*Coniothyrium cytisellum* on *Laburnum watereri* and *Laburnum* sp. in cargo from the Netherlands, *C. hellebori* on *Helleborus lividus* in cargo from England, on *H. niger* in mail from England, and on *Helleborus* spp. in cargo and air cargo from the Netherlands; *C. viburni* on *Viburnum burkwoodi* in cargo from the Netherlands.

*Cryptospora longispora* on Norfolk-Island-pine in air cargo from Australia.

*Gymnosporangium haraeaeum* on Chinese juniper in cargo and mail from Japan and on juniper in air baggage from Japan; *G. sabinae* on *Juniperus chinensis pfitzeriana* in cargo from Germany; *G. yamadae* on apple in stores from Japan.

*Macrophomina phaseolina* on gladiolus in cargo from Japan, on iris rhizome in mail from Turkey, and on *Ixia* spp. in mail from the Union of South Africa.

*Ochropsora kraunhiae* on wisteria leaf in baggage from Japan.

*Phakopsora desmium* on cotton leaf in baggage from the Dominican Republic.

*Physalosporina sutherlandiae* on *Sutherlandia frutescens* in mail from the Union of South Africa.

*Puccinia aeluropi* on stem and leaf of *Aeluropus* sp. in mail from Turkey; *P. horiana* on *Chrysanthemum morifolium* and *Chrysanthemum* sp. in air baggage and air quarters from Japan; *P. kalchbrenneriana* on chinkerichee in mail from the Union of South Africa; *P. kusanoi* on leaf of *Bambusa* sp. in air baggage from the Philippines; *P. longicornis* on bamboo leaf in baggage from China; *P. ornithogalithyrsoides* on chinkerichee in air express and mail from the Union of South Africa; *P. tetragonia* var. *austroafricana* on *Tetragonia arbuscula* in mail from the Union of South Africa; *P. vagans* on *Epilobium* sp. leaf in mail from Turkey.

*Sphaceloma fawcetti* var. *scabiosa* on lemon in stores from Australia and in quarters from New Zealand.

*Thecopsora areolata* on Norway spruce in baggage from Norway.

*Urocystis gladiolicola* on corms of *Gladiolus tristis* in air mail from Ireland.

*Uromyces alyxiae* on alyxia in air baggage and air cargo from Hawaii; *U. mulini* on seed pod of *Mulina* sp. in mail from Argentina.

The golden nematode (*Heterodera rostochiensis*) was intercepted in soil associated with potatoes as well as with various materials other than its normal hosts. Among these were used burlap bagging, yam roots, and unauthorized plants with soil about their roots. It was also found in soil collected from railway cars used to haul potatoes in Mexico, which represented the first evidence of its occurrence in that country. It was taken 35 times from England, 25 times from Scotland, 9 times from Germany, 4 times from Denmark, 3 times from Mexico, twice each from Ireland, the Netherlands, and Peru, and once each from Austria, France, Luxembourg, and Wales.

The oat nematode (*Heterodera avenae*) which is causing considerable damage to cereals and oats in Europe was intercepted in soil with various lots of unauthorized plant material, with vegetables in ships' stores, in sand used as ballast, and in



soil with bagging. Of these interceptions 8 were from England, 7 from Germany, 6 from Scotland, 4 each from France and Spain, 3 each from Italy and the Netherlands, 2 from Mexico, and one each from Belgium, Gibraltar (?), Ireland, Sweden, Union of South Africa, Wales (?), and Yugoslavia.

### INCOMPLETELY DETERMINED PESTS

In certain instances a complete determination as to species of nematodes, insects, and fungi is impossible, either due to the condition of the material on arrival, or because the pests belong to genera new to the host or new to the country of origin. Some such pests may be of economic importance and new or hitherto unknown to the United States.

#### INSECTS

Among the incompletely determined insects were the following fruit flies:

*Anastrepha* sp., possibly *fraterculus*, at Houston, Tex., and at Philadelphia, Pa., in grapefruit in stores from Argentina; at New Orleans, La., in orange in stores from Argentina; at New York, N. Y., in oranges in stores from Argentina and Brazil; at Seattle, Wash., in *Spondias* sp. in air mail from Nicaragua; *Anastrepha* sp., probably *ludens*, at Brownsville, Tex., in orange and sweet lime in baggage from Mexico; at Eagle Pass, Tex., in orange in baggage from Mexico; at El Paso, Tex., in mango, orange, and sapote in baggage from Mexico; at Galveston, Tex., and Houston, Tex., in oranges in quarters from Mexico; at Laredo, Tex., in orange, peach, and pear in baggage from Mexico; *Anastrepha* sp., probably *mombin-praeoptans*, at Brownsville, Tex., in mango in baggage from Mexico; at Laredo, Tex., in guava in baggage from Mexico; at Mobile, Ala., in mango in stores from Honduras; at New Orleans, La., in mango in baggage from either Cuba or Salvador; at New York, N. Y., in mango in baggage from an unknown origin and in *Spondias* sp. in stores from Brazil; *Anastrepha* sp., probably *serpentina*, at Brownsville, Tex., in mamey in baggage from Mexico; *Anastrepha* sp., probably *suspensa*, at Hidalgo, Tex., in guava in baggage from Mexico.

*Anastrepha* sp., at Baltimore, Md., in oranges in stores from Brazil and Trinidad; at Brownsville, Tex., in a box car from Mexico and in apple, mango, and orange in baggage from Mexico; at El Paso, Tex., in mango in air baggage from Mexico; at Laredo, Tex., in guava in cargo from Mexico and in mango, peach, and pear in baggage from Mexico; at Miami, Fla., in mangoes in air baggage from Colombia, Costa Rica, Honduras, and Salvador, in mango in baggage from Peru, in pear in air baggage from Peru, and in tree seed in air baggage from Cuba; at New Orleans, La., in *Inga* sp. (?) in air baggage from Salvador and in passionflower in air baggage from Nicaragua; at New York, N. Y., in allspice and mangoes in air baggage from Jamaica and Puerto Rico and in orange in air stores from Argentina; at Nogales, Ariz., in mango in baggage from Mexico; at Port Arthur, Tex., in orange in quarters from Mexico; at San Juan, P. R., in mango in preflight inspection of baggage leaving Puerto Rico for the mainland; at San Pedro, Calif., in guava in air baggage from Salvador and in yellow mombin in air baggage from Guatemala; at Tampa, Fla., in orange in air baggage from Guatemala.

*Dacus* sp., probably *cucurbitae*, at Houston, Tex., in tomato in stores from Hawaii; *Dacus* sp., probably *oleae*, at New York, N. Y., in olive in baggage from Italy; *Dacus* sp. at Washington, D. C., in mango in airplane garbage from Thailand.

*Rhagoletis* sp., probably *cerasi*, at Boston, Mass., in plum in air stores from Portugal.

*Tetphritis* sp. (Tephritidae) at New York, N. Y., in compositae flower seed in mail from Italy.

Thirty-six interceptions which could be identified to family only (Tephritidae) were intercepted at National Airport, Arlington, Va., in apple in stores from Iceland; at Baltimore, Md., in grapefruit in stores from the Union of South Africa; at Boston, Mass., in fig and *Tuber* sp. (truffle) in air baggage from Italy and in peach in air stores from Portugal; at Eagle Pass, Tex., in mango in baggage from Mexico; at Galveston, Tex., in apple in garbage can from Japan and in basket with apples in stores from Peru, in orange in stores from Peru, in orange in quarters from the Union of South Africa, and in squash in stores from Egypt; at Houston, Tex., in pummelo in quarters from the Union of South Africa; at Honolulu, Hawaii in mango and *Passiflora* sp. in preflight inspection of baggage leaving Hawaii for the mainland; at Honolulu, Hawaii on straw flower in air baggage from the Philippines, in coffee berry in preflight inspection of baggage leaving Hawaii for the mainland, in papaya in air stores from Fiji, in coffee berry in preflight



inspection of mail leaving Hawaii for the mainland; at Miami, Fla., in seeds of an unknown fruit in air mail from India; at New Orleans, La., in orange in stores from Argentina; at New York, N. Y., in apples in air stores from Germany and Mexico, in coffee berry in air baggage from Brazil, in grape in cargo from the Union of South Africa, in *Passiflora* sp., in air baggage from Brazil, in pepper in stores from the Straits Settlements, and in persimmon in baggage from Italy; at Norfolk, Va., (one pupa) in soil with carrots in stores from the Netherlands; at Philadelphia, Pa., with compositae cut flowers in furnishings from Cuba, in orange in stores from Argentina, in orange in quarters from Sierra Leone, and in pepper in stores from the Union of South Africa; at San Francisco, Calif., in cucumber in stores from Hawaii and in *Passiflora* sp. in quarters from Hawaii; at San Juan, P. R., in apple in baggage from Spain; at Washington, D. C., in *Crataegus monogyna* in mail from Turkey.

Other incompletely determined insects worthy of mention were:

*Adoxoplatys* (Pentatomidae), new species, at Laredo, Tex., with an orchid plant in cargo from Mexico.

An aleyrodid, Aleurodicinae, new genus near *Aleurodicus*, at Laredo, Tex., on *Laelia* sp., an orchid, in cargo from Mexico.

*Andaspis* (Coccidae), new species, at San Francisco, Calif., on hibiscus in air freight from New Guinea.

*Aphthona* sp., probably *ovata* Foudr. (Chrysomelidae), at New York, N. Y., on lilac and viburnum in air cargo from the Netherlands.

*Autoserica* sp. (Scarabaeidae) at Seattle, Wash., in soil around juniper plants in baggage from Japan; at San Pedro, Calif., in soil with plants in baggage from Japan; and at Honolulu, Hawaii, in soil with bamboo plants in air baggage from Japan.

*Baris* sp. (Curculionidae) at Philadelphia, Pa., in beet in stores from France (?), at Brownsville, Tex., with gladiolus in air cargo from Mexico and in turnip in stores from Belgium.

*Blastodacna* sp., may be *atra* Haw. (Blastodacnidae), at New York, N. Y., in apple in mail from Germany.

*Brachyrhinus* sp. (Curculionidae) at Hoboken, N. J., in packing with rhododendron plants in cargo from the Netherlands; at Houston, Tex., in dahlia stalk in baggage from the Netherlands; at New York, N. Y., in roots of a cyclamen plant in baggage from the Netherlands; and at Seattle, Wash., in soil with *Chamaecyparis* sp. in express from the Netherlands.

*Carposina* sp., may be *schirrhosella* (H.-S.) (Carposinidae), at Washington, D. C. in rose hips in mail from Turkey.

A coccid, *Chrysomphalus* sp., close to *tenax* McKenzie, but distinct and not placed yet as anything described, at San Pedro, Calif., on bark of avocado in express and mail from Guatemala.

*Cladius* sp., probably *difformis* (Panz.) (Tenthredinidae), at Hoboken, N. J., on rose in mail from England and at New York, N. Y., on rose in air baggage from England.

*Cleonus* sp. (Curculionidae) at New York, N. Y., in carrot in stores from Italy.

*Epicaerus* sp. (Curculionidae) at Brownsville, Tex., in potatoes in baggage and stores from Mexico; at Galveston, Tex., Houston, Tex., Mobile, Ala., New Orleans, La., and New York, N. Y., in potatoes in stores from Mexico.

A phalaenid, *Eublema* sp., probably *anticalis* (Wlk.), at Washington, D. C., on stem of *Asparagus falcatus* in express from Natal, Africa.

*Fessonina* sp. (Smaridiidae) at New York, N. Y., on yam root in air cargo from the Union of South Africa. This represents the first specimen in the Museum Collection from the Union of South Africa.

A gelechiid at Nogales, Ariz., in fiber of *Populus* sp., in mail from Mexico. "A most interesting species (lies between *Pectinophora* and *Platyedra*) and probably represents a new genus \* \* \*. The species of this group usually feed in Malvaceae so your species is the more interesting because of its departure from this habit."

*Gnorimoschema* sp., near or = *ocellatella* Boyd, at New York, N. Y., and Norfolk, Va., in beets in stores from Egypt and at Philadelphia, Pa., in beets in stores from Egypt, France, and Italy.

*Heilipus* sp., probably *lauri* Boh., at El Paso, Tex., in avocado seed in air express from Mexico.

*Laspeyresia* sp., near or = *strobilella* (L.) (Olethreutidae), at Boston, Mass., in Norway spruce in mail from Germany.

*Lecanium* sp., may be *kunoensis* Kuw. (Coccidae), at San Diego, Calif., on a dwarf tree of *Pyrus* sp. in baggage from Japan.



*Lixus* sp. (Curculionidae) at Boston, Mass. and Galveston, Tex., in beets in stores from Egypt; at Laredo, Tex., in cactus plant in mail from Mexico; and at Philadelphia, Pa., in beets in stores from France and Italy.

*Lorryia* (Tydeidae), a new species, at Miami, Fla., on leaf and bark of *Citrus* sp. in air baggage from Argentina.

An otitid, "an extremely unusual larva", at New York, N. Y., in mango in baggage from Trinidad.

*Parlatoria* sp. (Coccidae), "apparently not identical with anything yet described", at Washington, D. C., on mango budwood in air express from India.

*Phytomyza* sp., possibly *atricornis* Mg., at Philadelphia, Pa. in parsnip in stores from Italy.

*Platypus* sp., probably *rugulosus* Chap. (Platypodidae), at Baltimore, Md., in mahogany log in cargo from Gold Coast, Africa.

*Prodecatoma* (Eurytomidae), new species, at Washington, D. C., with grape seed in mail from Colombia.

A curculionid, *Premnotrypes* sp., at Galveston, Tex., in potatoes in stores from Colombia and Peru; at New York, N. Y., in potatoes in air baggage and stores from Colombia; at Philadelphia, Pa., in potato in stores from Peru; and at Port Arthur, Tex., in potato in stores from Ecuador.

A coccid, *Pseudantonina* sp., or a related genus and probably undescribed, at Washington, D. C., on *Eragrostis neesii* plant in mail from Brazil.

*Psylliodes* sp. (Chrysomelidae) at Galveston, Tex., in cabbage and cauliflower in stores from England; at Philadelphia, Pa., in cabbage in stores from Japan; at Galveston, Tex., in rutabaga in stores from Ireland; at Philadelphia, Pa., in rutabaga in stores from England; at New York, N. Y., in radish in stores from Belgium (?) and in turnip in stores from France; at Galveston, Tex., in turnips in stores from Denmark, England, France, and Mozambique; at Houston, Tex., in turnips in stores from England, France, Greece, and Italy; at Mobile, Ala., in turnips in stores from England and Italy; at New Orleans, La., in turnip in stores from Germany; at Norfolk, Va., in turnip in stores from England; at Philadelphia, Pa., in turnips in stores from Egypt and England; and at San Francisco, Calif., in turnip in stores from England.

*Rhynchites* sp. (Curculionidae) at New York, N. Y., in cherry in air baggage from Lebanon.

*Serica* sp. (Scarabaeidae) at San Francisco, Calif., in soil with iris roots in mail from Japan

*Sesamia* sp., near or = *vutaria* (Stoll) (Phalaenidae), at New York, N. Y., in corn in baggage from Portugal.

*Stenoma* sp., probably *catenifer* Wlsm. (Stenomidae), in avocado seed in air baggage from Salvador.

A mirid, Termatophylinae, new genus and new species, at Laredo, Tex., on Bromeliad plant in mail from British Honduras.

*Thrips* sp., probably *robustus* Pr. (Thripidae), at Portland, Oreg., on stemless gentian in mail from Switzerland.

*Xyleborus* spp. (Scolytidae) at Baltimore, Md., in *Khaya* sp. log in cargo from Gold Coast, Africa.

There were 2,304 interceptions distributed among 593 genera, which could be identified to genus only.

#### DISEASES

Suspected pathogens, some probably new to this country, determined to genus only were:

*Ascochyta* sp. at Honolulu, Hawaii, on scarlet ixora in air cargo from Australia; at Boston, Mass., on alfalfa in cargo from Kenya, Africa; at Brownsville, Tex., on palm frond in air cargo from Mexico and at San Francisco, Calif., on eggplant in stores from Japan.

*Camarosporium* sp. at El Paso, Tex., on cactus plant in baggage from Mexico; at Honolulu, Hawaii, on lemon in air baggage from Australia, at Brownsville, Tex., on *Laelia gouldiana*, an orchid, in air cargo from Mexico.

*Ceratospheeria* sp. at Brownsville, Tex., on *Odontoglossum insleayi*, an orchid, in air cargo from Mexico.

*Ceratostomella* sp. at Hoboken, N. J., on *Dendrobium heterocarpum*, an orchid, in mail from India; at Philadelphia, Pa., on *Inga laurina* in air baggage from Puerto Rico.

*Cercospora* sp. at Brownsville, Tex., on palm frond in air cargo from Mexico; at Philadelphia, Pa., on pine in mail from Germany.



*Cladosporium* sp., close to *miyakei* Sacc. & Trotter, at San Juan, P. R., on rice straw in mail from Greece.

*Claviceps* sp., close to *inconspicua* Langdon, at Washington, D. C., on *Hyparrhenia lintonii* in mail from Kenya, Africa; *Claviceps* sp., probably *inconspicua* Langdon; at Washington, D. C., on *Hyparrhenia* sp. in mail from Madagascar.

*Coleosporium* sp. at Buffalo, N. Y., on pine needles in baggage from Canada.

*Colletotrichum* sp. at Laredo, Tex., on philodendron in cargo from Mexico.

*Coniothyrium* sp., probably *fuekelii* Sacc., at Miami, Fla., on citrus stem in baggage from Argentina; *Coniothyrium* sp., probably *stanhopeae* P. Henn., on *Cattleya citrina*, an orchid, in mail from Mexico; *Coniothyrium* sp. at El Paso, Tex., on avocado in baggage from Mexico; at San Francisco, Calif., on coconut in stores from the Philippines; at San Diego, Calif., on coconut in baggage from Panama; at Baltimore, Md., on lemon in stores from the Union of South Africa; at Hoboken, N. J., on *Nidularium* sp. in cargo from France; at Honolulu, Hawaii, on *Notospartium carmicheliae* in air cargo from New Zealand; at Philadelphia, Pa., on pineapple in quarters from Sierra Leone; at Seattle, Wash., on rhododendron leaf in baggage from Canada; at San Pedro, Calif., on rice seed in air baggage from Nicaragua.

*Curvularia* sp., probably *lunata* (Pat.) Howell, at Brownsville, Tex., on pineapple in cargo from Mexico; *Curvularia* sp. at Brownsville, Tex., on pineapple in cargo from Mexico.

*Cyphella* sp., suggests *hydrocyphella* Pilat, at Brownsville, Tex., on banana in cargo from Guatemala.

*Dothiorella* sp. at New York, N. Y., on orange in baggage from Japan.

*Endoconidiophora* sp., close to *fimbriata* (Ell. & Halst.) Davidson or *paradoxa* Dade, at New Orleans, La., on malanga in stores from Cuba.

*Hypoderma* sp. at Philadelphia, Pa., on arborvitae twig in stores from Japan.

Leprosis at Honolulu, Hawaii, on Mandarin orange in air baggage from Japan; at Laredo, Tex., on orange in baggage from Mexico.

*Libertiella* sp. at Miami, Fla., on citrus stem in baggage from Argentina.

*Mycosphaerella* sp. at Honolulu, Hawaii on scarlet ixora in air cargo from Australia; at Honolulu, Hawaii on *Piper methysticum* in air baggage from the Philippines; at San Francisco, Calif., on tree peony in mail from Japan.

*Ophiobolus* sp. at San Francisco, Calif., on coconut in baggage from Hawaii, in mail from Samoa, and in quarters from the Philippines.

*Parodiella* sp., probably *grammodes* (Kunze) Cke., at Washington, D. C., on *Antheophora pubescens* in mail from Transvaal.

*Pestalotia* sp. at San Antonio, Tex., on *Chamaedorea* sp. in air cargo from Mexico; at Laredo, Tex., on philodendron in cargo from Mexico.

*Phragmocarpella* sp. at Honolulu, Hawaii, on *Eucalyptus* sp. in baggage from Japan.

*Phyllosticta* sp. at Honolulu, Hawaii, on *Myrtus bullata* in air cargo from New Zealand and on scarlet ixora in air cargo from Australia.

*Phyllostictina* sp. at Seattle, Wash., on *Areca alicae* in mail from the Canal Zone; at Laredo, Tex., on *Beaucarnea* sp. in cargo from Mexico; at San Francisco, Calif., on *Coelogyne* sp., an orchid, in mail from the Philippines; at San Francisco, Calif., on dracena leaf in baggage from Hawaii; at Philadelphia, Pa., on *Eurya japonica* leaf in furnishings from Japan; at Laredo, Tex., on green pepper in cargo from Mexico.

*Phytophthora* sp. at Hoboken, N. J., on *Cattleya* sp., an orchid, in cargo from Venezuela; at New York, N. Y., on orange in stores from Italy.

*Platyeltella* sp. at El Paso, Tex., on palm in baggage from Mexico.

*Puccinia* sp., new species, at Boston, Mass., on bamboo leaf in mail from China.

*Pyrenochaeta* sp. at Washington, D. C., on *Sutherlandia frutescens* in mail from the Union of South Africa.

*Sclerotium* sp. at Seattle, Wash., on *Lithospermum* sp. in mail from England; at Seattle, Wash., on *Magnolia* sp. and rhododendron in cargo from the Netherlands; at Seattle, Wash., on tree peony in cargo from France.

*Scolecopeltidium* sp. at Laredo, Tex., on *Epidendrum* sp., an orchid, in cargo from Mexico.

*Septoria* sp. at Washington, D. C., on *Jacquinia pungens* in mail from Mexico.

*Stemphylium* sp. at Brownsville, Tex., on gladiolus in air cargo from Mexico; at Houston, Tex., on gladiolus in air baggage from Mexico.

*Ustilago* sp., probably *sphaerogena* Burr., on *Echinochloa crusgalli* seed in mail from Madagascar.

*Verticillium* sp. at Brownsville, Tex., on papaya in stores from Mexico.

Incompletely determined nematodes worthy of mention were:

*Anguina* sp. at Washington, D. C., in *Calamagrostis longearistata* (grass) in



mail from Brazil and in *Ehrharta calycina* in mail from the Union of South Africa.

*Aphelenchus* sp., undescribed, at Hoboken, N. J., in roots of *Helleborus* sp. in air cargo from the Netherlands.

*Chiloplacus*, new species, at Hoboken, N. J., in *Helleborus* sp. in cargo from the Netherlands.

*Ditylenchus*, new species, at Hoboken, N. J., in *Colchicum* sp. (corm) in mail from England—an interesting form but not the species usually found in colchicum. *Ditylenchus* sp., at El Paso, Tex., in garlic in cargo from Mexico; at Hoboken, N. J., in giant autumn-crocus and *Kniphofia* sp. in cargo from the Netherlands and in iris bulbs in mail from England.

*Helicotylenchus* sp. at San Juan, P. R., in soil with roots of mango trees in air cargo from Martinique, in soil with *Ixora decora* and other plants in air cargo from Honduras, and in soil with orchid plants in air baggage from Trinidad.

*Heterodera* sp. was intercepted 404 times at 16 different ports in soil with bagging, in soil attached to army vehicles, soil used as ballast, in soil with surplus army motor transmission, in soil with plants for propagation, in soil with vegetables in ships' stores, and in soil with plants in baggage and cargo—some coming in by air. Interceptions were made from soil on material coming from the following countries: Argentina, Australia, Austria, Azores, Belgium, Chile, Denmark, Egypt, England, Finland, France, Germany, Greece, Ireland, Israel, Italy, Japan, Lebanon, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Portugal, Scotland, Spain, Sweden, Switzerland, Trinidad, Union of South Africa, and Yugoslavia.

What appears to be a new species of *Meloidogyne*, closely related to *M. exigua* Goeldi, at Hoboken, N. J., in roots of *Sedum praealtum* in baggage from Guatemala; *Meloidogyne*, some resemblance to *M. hapla* Chitwood, but obviously a new species, at Philadelphia, Pa., in potato in stores from Cuba; *Meloidogyne*, possibly a new species, related to *M. incognita* (Kofoid & White) Chitwood, at Boston, Mass., in potato in stores from Chile; *Meloidogyne* sp., of the *incognita* group but a new form, in roots of *Synadenium* sp. in mail from the Union of South Africa; *Meloidogyne*, possibly a new species, resembling somewhat *M. javanica* (Treub.) Chitwood, at Philadelphia, Pa., in potato in stores from Brazil.

*Nemonchus* sp. at San Juan, P. R., in soil with tree roots of mango in air cargo from Martinique.

*Neotylenchus*, possibly a new species, on fungi on *Malus* root in cargo from the Netherlands.

*Paraphelenchus* sp. at Philadelphia, Pa., in taro in stores from Japan.

*Paratylenchus* sp. at Hoboken, N. J., in root of delphinium in air cargo from the Netherlands.

*Tetylenchus*, new species, at Nogales, Ariz., in soil with cactus plants in cargo from Mexico.

*Tylencholaimus* sp. at San Juan, P. R., in soil with roots of *Ixora decora* and other plants in air cargo from Honduras.

A total of 825 incompletely determined pathogens were recorded during the year.

*Summary of Numbers of Interceptions Listed in Main Table*

Country	Insect	Disease	Country	Insect	Disease
	<i>Number</i>	<i>Number</i>		<i>Number</i>	<i>Number</i>
<b>Africa:</b>			<b>Europe—Continued</b>		
Algeria.....	3	1	Spain.....	23	13
Anglo-Egyptian Sudan.....	1	0	Sweden.....	11	5
Angola.....	1	0	Switzerland.....	3	18
Belgian Congo.....	3	0	Turkey.....	11	19
British East Africa.....	1	1	Wales.....	0	2
Cape Verde Islands.....	2	0	Yugoslavia.....	5	2
Egypt.....	3	0	<b>North America:</b>		
Gold Coast.....	1	0	Bermuda.....	43	2
Italian Somaliland.....	2	0	Canada.....	6	11
Kenya.....	0	3	Canal Zone.....	58	8
Liberia.....	1	0	Central America.....	1	0
Madagascar.....	2	1	British Honduras.....	1	0
Madeira Islands.....	5	0	Costa Rica.....	18	5
Morocco.....	6	1	Guatemala.....	30	12
Mozambique.....	1	1	Honduras.....	5	3
Natal.....	0	1	Nicaragua.....	16	3
Sierra Leone.....	1	1	Panama.....	50	2
Tanganyika.....	0	3	Salvador.....	24	1
Transvaal.....	2	0	Iceland.....	0	1
Union of South Africa.....	35	33	Mexico.....	858	116
<b>Asia:</b>			West Indies.....	1	0
China.....	8	72	American Virgin Islands.....	2	0
Formosa.....	5	2	Antigua.....	5	0
India.....	86	6	Bahamas.....	5	1
Indonesia.....	3	0	Barbados.....	3	0
Israel.....	7	2	British Virgin Islands.....	1	0
Japan.....	275	522	British West Indies.....	4	0
Korea.....	1	0	Cuba.....	74	3
Lebanon.....	6	1	Curaçao.....	2	0
Straits Settlements.....	1	0	Dominica.....	1	0
Syria.....	1	0	Dominican Republic.....	6	2
Thailand.....	6	4	Grenada.....	1	0
<b>Australasia:</b>			Guadeloupe.....	2	0
Australia.....	57	52	Haiti.....	8	0
Ceylon.....	1	1	Jamaica.....	35	2
Fiji Islands.....	4	0	Jost Van Dykes.....	4	0
Guam.....	11	4	Martinique.....	2	0
Hawaii.....	355	13	Montserrat.....	1	0
Korror Island.....	0	4	Nevis.....	7	0
Kwajalein.....	2	0	Puerto Rico.....	19	5
Marianas.....	0	1	St. Kitts.....	2	0
New Zealand.....	5	16	St. Martin.....	1	0
Okinawa.....	0	1	Tortola.....	10	0
Palmyra Islands.....	1	0	Trinidad.....	30	3
Philippines.....	26	6	<b>South America:</b>		
Saipan.....	4	1	Argentina.....	11	52
South Pacific.....	0	1	Brazil.....	31	64
Sumatra.....	1	0	British Guiana.....	2	0
Tahiti.....	2	2	Chile.....	18	4
Truk Island.....	0	2	Colombia.....	12	1
Wake.....	1	0	Ecuador.....	27	21
Yap Island.....	0	2	Paraguay.....	1	1
<b>Europe:</b>			Peru.....	4	3
Austria.....	0	5	Uruguay.....	1	10
Azores.....	18	1	Venezuela.....	16	1
Belgium.....	11	18			
Czechoslovakia.....	0	1	<b>Total:</b>		
Denmark.....	8	9	Africa.....	70	46
England.....	41	98	Asia.....	399	609
Europe.....	0	1	Australasia.....	470	102
Finland.....	1	0	Europe.....	587	488
France.....	33	20	North America.....	1,336	184
Germany.....	42	31	South America.....	123	156
Gibraltar (?).....	0	1	Unknown.....	16	2
Greece.....	10	3			
Hungary.....	2	0	Total.....	3,001	1,587
Ireland.....	15	10	Total incompletely deter-		
Italy.....	223	38	mined pests.....	2,304	825
Luxembourg.....	0	1			
Majorica.....	0	1	Total insect interceptions.....	5,305	-----
Malta.....	2	1	Total disease intercep-		
Netherlands.....	65	146	tions.....		2,412
Norway.....	2	5			
Portugal.....	31	3	Grand total.....		17,717
Scotland.....	30	36			

<sup>1</sup> This total represents only pests of known or potential plant-quarantine importance. The total of all interceptions made during the year was 16,567.

NOTE.—Interceptions were also made from Afghanistan, Burma, Canton Island, Eniwetok, Ethiopia, French West Africa, Indo-China, Iran, Iraq, Johnston Island, Midway, New Guinea, Nigeria, Northern Ireland, St. Vincent, Samoa (American), Surinam, Tasmania, and Tunisia.



*Pests (insects) collected and reported from July 1, 1952, to June 30, 1953*

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Achatina fulica</i> Fer. (Mollusea): Returned war equipment	Guam, Philippines, Saipan.	10			Calif.*, Tex.
Serap metal	Guam	1			Calif.*
<i>Acrolepia assectella</i> (Zell.) (Hyponomeutidae): <i>Allium porrum</i> (leek)	France		1		N. Y.
<i>Acronicta rumicis</i> (L.) (Phalaenidae): <i>Rhododendron</i> sp.	England			1	Wash.
<i>Adoretus sinicus</i> Burm. (Searabaeidae): Airplane	Hawaii		7		Guam, Hawaii.
<i>Alpinia</i> sp. (red ginger)	do	1			Hawaii.
<i>Anthurium</i> sp.	do	1			Hawaii.
<i>Adoxophyes orana</i> (F. R.) (Tortricidae): <i>Cistus purpureus</i> (orehidspot rockrose)	England			1	N. J.
<i>Syringa</i> sp. (lilae)	Denmark, Netherlands, Sweden.	18			N. Y.
<i>Aganactesis indecora</i> Dyar (Galleriidae): <i>Cassia fistula</i> (golden-shower)	Cuba			1	Fla.
<i>Cassia</i> sp.	Venezuela	1			N. Y.
<i>Aglossa cuprealis</i> (Hbn.) (Pryalididae): Herb	Azores	1			Mass.
<i>Hyacinthus orientalis albulus</i> (Roman hyacinth)	Italy			1	N. Y.
<i>Lilium candidum</i> (Madonna lily)	do			2	N. Y.
Paper wrapping around sausage	Azores	1			Mass.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae): <i>Citrus aurantifolia</i>	Mexico	11			Calif.*, Tex.
<i>Citrus aurantifolia</i> (sour lime)	do	6	1		Calif.*, Tex.
<i>Citrus aurantifolia</i> (sweet lime)	do	1			Tex.
<i>Citrus paradisi</i> (grapefruit)	do	1			Ariz.
<i>Citrus reticulata</i> (Mandarin orange)	do	1			Tex.
<i>Citrus sinensis</i> (orange)	do	7			Ariz., Calif.*, Tex.
<i>Citrus</i> sp.	do	12	1		Tex.
<i>Coffea</i> sp. (coffee)	do	3			Tex.
<i>Aleuroglandulus emmae</i> Rsl. (Aleyrodidae): <i>Psidium</i> sp., probably <i>guajava</i>	do			1	Ariz.
<i>Aleurolobus rhododendri</i> Takah. (Aleyrodidae): <i>Rhododendron</i> sp.	Formosa			1	Calif.*
<i>Aleuroplatus denticulatus</i> Bondar (Aleyrodidae): Leaf—unidentified	Ecuador	1			Calif.*
<i>Aleurothrixus floccosus</i> (Mask.) (Aleyrodidae): <i>Citrus aurantifolia</i>	Cuba	1			Fla.*
<i>Citrus sinensis</i> (orange)	Guatemala	1			Tex.
<i>Aleurothrixus myrtacei</i> Bondar (Aleyrodidae): Herb	St. Kitts	1			Mass.
<i>Aleurotrachelus trachoides</i> (Baek) (Aleyrodidae): <i>Caladium</i> sp.	Mexico	1			Tex.
Palm	do	2			Tex.
<i>Aleurotuberculatus similis</i> Takah. (?) (Aleyrodidae): <i>Vaccinium</i> sp.	Sweden			1	Wash.
<i>Aleyrodes proletella</i> (L.) (Aleyrodidae): Plant—unidentified	Portugal			1	Mass.
<i>Allantus cinctus</i> (L.) (Tenthredinidae): <i>Kerria</i> sp.	Netherlands			1	N. J.
<i>Malus sylvestris</i> (apple)	Norway		1		Pa.
<i>Alloxacis dorsalis</i> Melsh. (Oedemeridae): <i>Solanum tuberosum</i> (potato)	Mexico	1			Tex.
<i>Alpheias conspirata</i> Hein. (Galleriidae): <i>Ananas comosus</i> (pineapple)	do	5			Tex.
<i>Amorbia emigratella</i> (Busek) (Tortricidae): <i>Annona cherimola</i> (cherimoya)	do	1			Tex.
<i>Cordyline terminalis</i> (ti)	Hawaii	1			Hawaii.
Flowers—assorted	Hawaii, Mexico	3			Hawaii, Tex.
Orehid	Mexico			1	Tex.
<i>Punica granatum</i> (pomegranate)	Hawaii	1			Hawaii.
<i>Anaphothrips corbeti</i> Pr. (Thripidae): <i>Dendrobium</i> sp. (orehid)	India			1	N. J.
<i>Vanda</i> sp. (orehid)	Hawaii	1			Hawaii.
<i>Anaphothrips orchidaceus</i> Bagn. (Thripidae): Orehid	Colombia, Guatemala, Mexico.	1		2	N. Y., Tex., Wash.

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<i>Anastrepha distincta</i> Greene (Tephritidae): Unknown	Panama	1			Wash.
<i>Anastrepha fraterculus</i> (Wied.) (Tephritidae): <i>Citrus sinensis</i> (orange)	Brazil		1		La.
<i>Mangifera indica</i> (mango)	Mexico, Nicaragua	2			Tex.
<i>Prunus persica</i> (peach)	Mexico	1			Tex.
<i>Psidium guajava</i> (guava)	do	1			Tex.
<i>Pyrus communis</i> (pear)	do	2			Tex.
<i>Anastrepha fraterculus</i> (Wied.) (?) (Tephritidae): <i>Achras zapota</i> (sapodilla)	Venezuela	1			N. Y.
<i>Psidium guajava</i> (guava)	Nicaragua	1			Calif.*
<i>Anastrepha ludens</i> (Loew) (Tephritidae): <i>Annona cherimola</i> (cherimoya)	Honduras	1			Calif.*
<i>Casimiroa edulis</i> (white sapote)	Mexico	2			Tex.
<i>Citrus aurantifolia</i> (sweet lime)	do	10			Tex.
<i>Citrus aurantium</i> (sour orange)	do	1			Tex.
<i>Citrus medica</i> (citron)	do	1			Tex.
<i>Citrus paradisi</i> (grapefruit)	Guatemala, Mexico	6			Tex.
<i>Citrus sinensis</i> (orange)	do	155	13		Ariz., Calif., La., N. Y., Tex.
<i>Cydonia oblonga</i> (quince)	Mexico	3			Tex.
In garbage can	do	1			Tex.
<i>Mangifera indica</i> (mango)	do	44	1		Ariz., Calif., Calif.*, Tex.
<i>Persea americana</i> (avocado)	do	2			Tex.
<i>Prunus persica</i> (peach)	do	1			Tex.
<i>Punica granatum</i> (pomegranate)	do	1			Tex.
<i>Pyrus communis</i> (pear)	do	5			Tex.
Sapote	do	1			Tex.
<i>Anastrepha ludens</i> (Loew) (?) (Tephritidae): <i>Citrus aurantifolia</i> (sweet lime)	do	1			Tex.
<i>Citrus sinensis</i> (orange)	do	2			Tex.
<i>Pyrus communis</i> (pear)	do	1			Tex.
<i>Anastrepha mombinpraeoptans</i> Sehn (Tephritidae): <i>Anacardium occidentale</i> (cashew)	Tortola	1			St. Thomas & St. John.
<i>Citrus paradisi</i> (grapefruit)	Brazil		1		Tex.
<i>Eugenia floribunda</i> (rumberry eugenia)	Jost Van Dykes, Tortola	3			St. Croix, St. Thomas & St. John.
<i>Mangifera indica</i> (mango)	Bahamas, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Salvador, Trinidad.	99	4		Ala., Ariz., Calif., Calif.*, Fla.*, Ill., La., N. Y., P. R., Tex.
<i>Prunus domestica</i> (plum)	Mexico	1			Calif.
<i>Psidium guajava</i> (guava)	Honduras, Puerto Rico	4			N. Y., P. R.
<i>Spondias cytherea</i> (jobo de la India)	Guadeloupe		1		St. Thomas & St. John.
<i>Spondias mombin</i> (yellow mombin)	Jamaica, Nicaragua, Salvador.	13			Fla.*, Calif.*,
<i>Spondias purpurea</i> (purple mombin)	British Virgin Islands	1			St. Thomas & St. John.
<i>Anastrepha mombinpraeoptans</i> Sehn (?) (Tephritidae): <i>Psidium guajava</i> (guava)	Puerto Rico	1			P. R.
<i>Spondias mombin</i> (yellow mombin)	Trinidad	1			N. Y.
<i>Anastrepha parallela</i> (Wied.) (?) (Tephritidae): <i>Citrus paradisi</i> (grapefruit)	Brazil		1		Tex.
<i>Anastrepha serpentina</i> (Wied.) (Tephritidae): <i>Achras zapota</i> (sapodilla)	Guatemala, Trinidad	2			La., N. Y.
<i>Citrus sinensis</i> (orange)	Brazil		1		N. Y.
<i>Mammea americana</i> (mamey)	Mexico	3			Tex.
<i>Mangifera indica</i> (mango)	do	4			Tex.
<i>Anastrepha striata</i> Schiner (Tephritidae): <i>Psidium guajava</i> (guava)	Guatemala, Panama	2			La.



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<i>Anastrepha suspensa</i> (Loew) (Tephritidae):					
<i>Citrus paradisi</i> (grapefruit)-----	Trinidad-----		1		N. Y.
<i>Mangifera indica</i> (mango)-----	Cuba-----	1			N. Y.
<i>Psidium guajava</i> (guava)-----	Cuba, Mexico, Puerto Rico.	5			Fla., Fla.*, P. R., Tex.
<i>Anchonus foveifrons</i> Champ. (Curculionidae):					
Orchid-----	Guatemala-----			1	Tex.
<i>Ancylostomia stercorea</i> (Zell.) (Phycitidae):					
<i>Cajanus cajan</i> (pigeonpea)-----	Bahamas, Canal Zone, Martinique, Puerto Rico, Tortola, Trinidad.	9			N. Y., P. R., St. Thomas & St. John, Tex.
Leguminosae pod-----	Panama-----	1			Calif.*
<i>Anisolabis marginalis</i> (Dohrn) (Labiduridae):					
<i>Chaenomeles</i> sp.-----	Japan-----			1	Hawaii.
<i>Anomala cuprea</i> Hope (Scarabaeidae):					
Airplane-----	do-----		1		Hawaii.
<i>Anomala viridana</i> Kolbe (Scarabaeidae):					
Airplane-----	Wake Island-----		1		Hawaii.
<i>Anthonomus rectirostris</i> (L.) (Curculionidae):					
<i>Prunus serrulata lannesiana</i> -----	Japan-----			1	Calif.*
<i>Antonina graminis</i> (Mask.) (Coccidae):					
<i>Cynodon dactylon</i> (Bermuda grass)-----	Mexico-----	1			Ariz.
<i>Anuraphis tulipae</i> (Fonse.) (Aphidae):					
<i>Apium graveolens</i> (celery)-----	Norway-----		1		Pa.
<i>Gladiolus</i> sp-----	Netherlands-----			2	N. J.
<i>Iris reticulata</i> (netted iris)-----	England-----			1	N. J.
<i>Iris susiana</i> (mourning iris)-----	do-----			1	N. J.
<i>Iris</i> sp-----	England, Netherlands-----			4	N. J.
<i>Tulipa</i> sp. (tulip)-----	England, Germany, Netherlands.			4	N. J., N. Y.
<i>Aonidiella citrina</i> (Coq.) (Coccidae):					
<i>Citrus reticulata</i> (Mandarin orange)-----	Japan-----	1			Hawaii.
<i>Citrus sinensis</i> (orange)-----	do-----		1		Hawaii.
<i>Philodendron</i> sp-----	Philippines-----		1		Calif.*
<i>Aonidiella inornata</i> McKenzie (Coccidae):					
<i>Alpinia</i> sp. (red ginger)-----	Hawaii-----	1			Hawaii.
<i>Citrus limon</i> (lemon)-----	Fiji (?)-----		1		Hawaii.
<i>Cocus nucifera</i> (coconut)-----	Philippines-----		1	1	Calif.*
<i>Aphanus umbrosus</i> (Dist.) (Lygaeidae):					
<i>Gladiolus</i> sp-----	Mexico-----	1			Tex.
<i>Aphis viburni</i> (Scop.) (?) (Aphidae):					
<i>Viburnum</i> sp-----	Netherlands-----	1			N. Y.
<i>Apion aeneum</i> F. (Curculionidae):					
<i>Malva alcea</i> (hollyhock mallow)-----	Italy-----			1	N. Y.
<i>Apion carduorum</i> Kby. (Curculionidae):					
<i>Cynara scolymus</i> (globe artichoke)-----	France, Italy-----	1	2		N. Y., Tex.
<i>Galanthus</i> sp-----	Denmark-----			1	N. Y.
<i>Apion fuscirostre</i> F. (Curculionidae):					
<i>Cytisus nigricans</i> -----	Belgium-----			1	N. Y.
<i>Apion pomonae</i> F. (Curculionidae):					
<i>Vicia sativa</i> (vetch)-----	Germany, Portugal-----	2			Mass., N. Y.
<i>Apion radiolus</i> Kirby (Curculionidae):					
<i>Malva alcea</i> (hollyhock mallow)-----	Italy-----			1	N. Y.
<i>Apogonalia stali</i> (Sign.) (Cicadellidae):					
Airplane-----	Mexico-----		2		Tex.
<i>Argyresthia conjugella</i> (Zell.) (Hyponomeutidae):					
<i>Malus sylvestris</i> (apple)-----	Sweden-----	1			N. Y.
<i>Aspidiotus bilobis</i> Mask. (Coccidae):					
Grass-----	Formosa-----	1			Calif.*
<i>Aspidiotus braunschvigi</i> Rungs (tentative identification) (Coccidae):					
<i>Olea europaea</i> (olive)-----	Italy-----	1			N. Y.
<i>Aspidiotus britannicus</i> Newst. (Coccidae):					
<i>Ruscus</i> sp-----	do-----			1	N. J.
<i>Aspidiotus coryphae</i> Ckll. & Rob. (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Philippines-----	1			Calif.*
<i>Aspidiotus degeneratus</i> (Leon.) (Coccidae):					
<i>Camellia japonica</i> (camellia)-----	Japan-----			1	Hawaii.
<i>Eurya japonica</i> -----	do-----		1		Pa.

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<i>Aspidiotus destructor</i> Sign. (Coccidae): <i>Cocos nucifera</i> (coconut).....	Barbados, Brazil, Canal Zone, Costa Rica, Cuba, Mexico, Panama, Salvador.	9	1	1	Calif.*; Fla.*; Mass., N. J.
<i>Latania loddigesi</i> (silver latania).....	Japan.....		1		Calif.*
<i>Livistona</i> sp. (fan palm).....	India.....		1		Pa.
Palm.....	Japan.....		2		Calif.*; N. Y.
<i>Persea americana</i> (avocado).....	Cuba.....	1			N. Y.
<i>Trachycarpus excelsa</i> (?).....	Japan.....		1		Pa.
<i>Aspidiotus diffinis</i> Newst. (Coccidae): <i>Persea americana</i> (avocado).....	Mexico.....			1	Tex.
<i>Prunus domestica</i> (plum).....	do.....	1			Ariz.
<i>Aspidiotus herculeanus</i> Ckll. & Hadd. (Coccidae): <i>Mangifera indica</i> (mango).....	Ceylon.....			1	D. C.
<i>Persea americana</i> (avocado).....	Costa Rica.....		1		Calif.*
<i>Spondias mombin</i> (yellow mombin).....	Salvador.....	1			Calif.*
<i>Aspidiotus palmarum</i> Ckll. (Coccidae): <i>Calathea</i> spp.....	Philippines.....			1	Calif.*
<i>Cocos nucifera</i> (coconut).....	Ecuador.....		1		Calif.*
Plant—unidentified.....	Antigua.....	1			St. Croix
<i>Aspidiotus pectinatus</i> Ldgr. (tentative) (Coccidae): <i>Celtis</i> sp.....	Union of South Africa.....			1	D. C.
<i>Aspidiotus pseudomeyeri</i> Kuw. (tentative) (Coccidae): <i>Chamaecyparis</i> sp.....	Japan.....			1	Calif.*
<i>Aspidiotus zonatus</i> Frauent. (Coccidae): <i>Quercus heterophylla</i> .....	England.....			1	N. J.
<i>Asterolecanium agavis</i> Rsl. (Coccidae): <i>Yucca</i> sp.....	Mexico.....			1	Ariz.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae): Bamboo.....	Nevis.....	1			Mass.
<i>Bambusa</i> sp. (bamboo).....	Hawaii.....	1		1	Calif.*; Hawaii.
<i>Asterolecanium degeneratum</i> Rsl. (Coccidae): <i>Cocos nucifera</i> (coconut).....	Brazil.....			1	N. J.
<i>Asterolecanium epidendri</i> (Bouche) (Coccidae): <i>Antigonon leptopus</i> (rosa-de-montana).....	Canal Zone.....			1	Calif.*
<i>Chamaedorea</i> sp. (palm).....	Mexico.....	2			Calif.*; Tex.
<i>Epidendrum</i> sp. (orchid).....	do.....			1	Tex.
<i>Laelia</i> sp. (orchid).....	Mexico.....			1	Tex.
<i>Operculina tuberosa</i> .....	Canal Zone.....			1	Calif.*
Orchid.....	do.....			1	Calif.*
<i>Philodendron</i> sp.....	Mexico.....			1	Tex.
<i>Stanhopea</i> sp. (orchid).....	Canal Zone.....			1	Calif.*
<i>Asterolecanium inlabefactum</i> Rsl. (Coccidae): <i>Chamaedorea</i> sp. (palm).....	Mexico.....	1			Tex.
Palm.....	do.....	1			Tex.
<i>Asterolecanium miliaris miliaris</i> (Bdv.) (Coccidae): Bamboo.....	Nevis.....	1			Mass.
Grass.....	St. Kitts.....	1			Mass.
<i>Asterolecanium miliaris robustum</i> Green (Coccidae): Bamboo.....	Montserrat, Nevis.....	2			Mass.
<i>Asterolecanium pustulans</i> (Ckll.) (Coccidae): <i>Codiaeum</i> sp. (croton).....	Hawaii.....	1			Hawaii.
Cuttings—unidentified.....	Cuba, Mexico.....			2	Calif., P. R.
<i>Ficus sycomorus</i> (sycomore fig).....	Israel.....			1	D. C.
<i>Ficus</i> sp., probably <i>carica</i> .....	Brazil.....			1	N. Y.
<i>Nerium oleander</i> (oleander).....	Cuba, Mexico.....	1		1	P. R., Tex.
<i>Philodendron</i> sp.....	Hawaii.....	1			Hawaii.
<i>Asterolecanium stentae</i> Brain (Coccidae): <i>Stapelia</i> sp.....	Union of South Africa.....			1	N. J.
<i>Aufeius impressicollis</i> Stal (Coreidae): <i>Dianthus</i> sp. (carnation).....	Mexico.....	1			Tex.
<i>Aulacaspis spinosa</i> (Mask.) (Coccidae): <i>Smilax</i> sp.....	Japan.....		1		Wash.
<i>Aulacaspis tubercularis</i> Newst. (Coccidae): <i>Mangifera indica</i> (mango).....	Martinique, Nicaragua, Philippines, Salvador, Trinidad.	7	1	1	Calif.*; Hawaii, N. Y., P. R.



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<i>Aulacoscelia elongata</i> Jac. (Chrysomelidae): Cycad	Mexico			1	Tex.
<i>Autoserica castanea</i> (Arr.) (Scarabaeidae): <i>Ficus carica</i> (fig)	Italy	1			N. Y.
<i>Barathra brassicae</i> (L.) (Phalaenidae): <i>Brassica oleracea botrytis</i> (cauliflower)	France, Japan		2		N. Y.
<i>Blissus leucopterus hirtus</i> Montand. (Lygaeidae): <i>Iris</i> sp.	Canada			1	N. J.
<i>Blissus leucopterus insularis</i> Barb. (Lygaeidae): <i>Ananas comosus</i> (pineapple)	Mexico	1			Tex.
<i>Bouhelia maroccana</i> Balachowsky (Coccidae): <i>Muscari comosum</i> (cipollino)	Morocco	1			Calif.*
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae): <i>Allium sativum</i> (garlic)	Italy	4			N. Y.
<i>Brachycerus algirus</i> (F.) (Curculionidae): <i>Allium sativum</i> (garlic)	Italy, Spain	3	1		N. Y., Tex.
<i>Brachyrhinus rugosostriatus</i> (Goeze) (Curculionidae): <i>Vitis</i> sp. (grape)	Chile	1			N. Y.
<i>Bradybaena similaris</i> (Fer.) (Mollusca): <i>Anthurium</i> sp.	Hawaii	1			Hawaii.
<i>Apium graveolens</i> (celery)	Lebanon		1		Pa.
<i>Billbergia</i> sp.	Hawaii	1			Hawaii.
<i>Cordyline terminalis</i> (ti)	do	1			Hawaii.
Fern	do	1			Hawaii.
<i>Heliconia</i> sp.	do	1			Hawaii.
Tree fern	do	1			Hawaii.
<i>Bregmatothrips iridis</i> Wats. (Thripidae): <i>Iris kaempferi</i> (Japanese iris)	Netherlands			3	N. J.
<i>Iris</i> sp.	do			1	N. J.
<i>Brevipalpus chilensis</i> Baker (Phytoptipalpidae): <i>Vitis</i> sp. (grape)	Chile			1	D. C.
<i>Brevipalpus phoenicis</i> (Geijskes) (Phytoptipalpidae): <i>Arundinaria</i> sp.	Hawaii			1	Hawaii.
<i>Cynoches</i> sp. (orchid)	Canal Zone			1	Fla.
<i>Stanhopea</i> sp. (orchid)	do			1	N. J.
<i>Brithys pancratii</i> (Cyr.) (Phalaenidae): <i>Anoiganthus breviflorus</i>	Transvaal			1	D. C.
<i>Bruchus brachialis</i> Fahr. (Bruchidae): <i>Vicia sativa</i> (vetch)	Hungary	1		1	Ala.
<i>Vicia villosa</i> (hairy vetch)	do			1	S. C.
<i>Bruchus dentipes</i> Baudi (Bruchidae): <i>Vicia sativa</i> (vetch)	Lebanon	1			Pa.
<i>Bruchus guttalis</i> Rey (Bruchidae): <i>Vicia sativa</i> (vetch)	Algeria, Italy	2			Pa., Tex.
<i>Bruchus luteicornis</i> Ill. (Bruchidae): <i>Vicia sativa</i> (vetch)	France	2			N. Y.
<i>Bruchus rufipes</i> Herbst (Bruchidae): <i>Vicia sativa</i> (vetch)	Italy	2			La.
<i>Bruchus tristis</i> Boh. (Bruchidae): Bean	Greece	1			Ill.
<i>Lathyrus sativus</i> (grass pea)	Italy	1		1	N. J., N. Y.
<i>Lupinus</i> sp. (lupine)	do	1			N. Y.
<i>Vicia ervilla</i> (bitter vetch)	Greece			1	N. J.
<i>Vicia</i> sp.	Italy			1	N. J.
<i>Bucculatrix thurberiella</i> Busck (Lyonetiidae): <i>Gossypium</i> sp. (cotton)	Mexico	1			Tex.
<i>Burtinus notatipennis</i> Stal (Coreidae): Airplane	do		1		Tex.
<i>Callosobruchus maculatus</i> (F.) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea)	Bahamas, British West Indies.	2			Fla.*, N. Y.
<i>Vigna sinensis</i> (cowpea)	India			1	N. Y.
<i>Calocoris norvegicus</i> (Gmelin) (Miridae): <i>Lathyrus odoratus</i> (sweetpea)	Ireland	1			Mass.
<i>Calonota festiva</i> (F.) (Scarabaeidae): Wool	Australia	1			N. Y.
<i>Capaneus tetricus</i> Stal (Coreidae): Orchid	Venezuela			1	Calif.*
<i>Capitophorus formosanus</i> Takah. (?) (Aphidae): <i>Aster</i> sp.	Japan	1			Hawaii.
<i>Chrysanthemum</i> sp.	do	1			Hawaii.

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<i>Caryedon fuscus</i> Goeze (Bruchidae):					
<i>Abrus praecatorius</i> .....	India.....			1	Calif.*
<i>Cassia fistula</i> (golden-shower).....	Hawaii.....	1			Hawaii.
<i>Cassia nodosa</i> (?).....	do.....	2			Hawaii.
<i>Cassia</i> sp.....	do.....	4		1	Calif.*, Hawaii.
<i>Tamarindus indica</i> (tamarind).....	Curacao, Jamaica.....	2			Mass., N. Y.
<i>Catorama herbarium</i> Gorh. (Anobiidae):					
<i>Acalypha</i> sp.....	Hawaii.....	1			Hawaii.
<i>Cavariella capreae</i> (F.) (Aphidae):					
<i>Apium graveolens</i> (celery).....	Italy.....		1		Pa.
<i>Ceratitis capitata</i> (Wied.) (Tephritidae):					
<i>Annona</i> sp.....	Madeira Islands.....	1			N. Y.
<i>Citrus limon</i> (lemon).....	Italy.....	2			N. Y.
<i>Citrus paradisi</i> (grapefruit).....	Egypt.....		1		Pa.
<i>Citrus reticulata</i> (Mandarin orange).....	Italy.....	3			N. Y.
<i>Citrus sinensis</i> (orange).....	Brazil, Italy, Malta, Morocco, Spain, unknown.	3	7		Ala., Fla.,* N. Y., Pa., Tex., Va.
<i>Coffea</i> sp. (coffee).....	Brazil, Hawaii.....	4			Calif.*, Fla.*
<i>Cydonia oblonga</i> (quince).....	Greece, Italy, Turkey.....	4			N. Y.
<i>Diospyros kaki</i> (kaki persimmon).....	Italy.....	1			Mass.
<i>Diospyros</i> sp. (persimmon).....	do.....	1			N. Y.
<i>Eriobotrya japonica</i> (loquat).....	Madeira Islands, Portugal.	2			Mass., N. Y.
<i>Ficus carica</i> (fig).....	France.....	1			Mass.
<i>Malus sylvestris</i> (apple).....	Azores, Italy, Yugoslavia.	4			Mass., N. Y.
<i>Mespilus germanica</i> (medlar).....	Italy.....	1			N. Y.
<i>Opuntia compressa</i> (pricklypear).....	do.....	4			N. Y.
<i>Phoenix dactylifera</i> (date).....	Lebanon.....	1			N. Y.
<i>Prunus domestica</i> (plum).....	France.....		1		N. Y.
<i>Prunus persica</i> (peach).....	France, Portugal, Spain.....	2	3		Mass., N. Y., P. R.
<i>Psidium guajava</i> (guava).....	Portugal.....	1			N. Y.
<i>Psidium littorale</i> (strawberry guava).....	Azores.....	1			Mass.
<i>Pyrus communis</i> (pear).....	Italy, Portugal.....	3			Mass., N. Y.
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae):					
<i>Annona</i> sp.....	Azores.....	1			Mass.
<i>Capsicum frutescens</i> (pepper).....	Hawaii.....		1		Calif.*
<i>Citrus paradisi</i> (grapefruit).....	Italy, Mozambique, Union of South Africa.		3		Tex.
<i>Citrus reticulata</i> (Mandarin orange).....	Israel.....	1			N. Y.
<i>Citrus sinensis</i> (orange).....	Israel, Italy, Malta, Morocco, Spain, unknown.	1	5		Md., Mass., N. Y., Pa., Va.
<i>Coffea</i> sp. (coffee).....	Brazil, Hawaii.....	4			Calif.*, N. Y.
<i>Cydonia oblonga</i> (quince).....	Italy.....	1			N. Y.
<i>Diospyros</i> sp. (persimmon).....	do.....	1			N. Y.
<i>Eriobotrya japonica</i> (loquat).....	Azores.....	1			Mass.
<i>Ficus carica</i> (fig).....	Portugal.....	1			Mass.
<i>Malus sylvestris</i> (apple).....	Azores, Portugal, Union of South Africa.	3			Md., Mass.
<i>Prunus persica</i> (peach).....	Italy, Union of South Africa.	2	1		Md., Mass., N. Y.
<i>Psidium guajava</i> (guava).....	Azores.....	1			Mass.
<i>Punica granatum</i> (pomegranate).....	Italy.....	1			N. Y.
<i>Pyrus communis</i> (pear).....	do.....	1			N. Y.
<i>Ceroplastes ceriferus</i> (And.) (Coccidae):					
<i>Chaenomeles</i> sp.....	Japan.....			1	Calif.*
<i>Salix</i> sp.....	do.....	1			Calif.*
<i>Ceroplastes rubens</i> Mask. (Coccidae):					
<i>Anthurium</i> sp.....	Hawaii.....	2			Hawaii.
<i>Calophyllum</i> sp.....	Guam.....			1	Calif.*
<i>Camellia</i> var.....	Japan.....			1	Calif.*
<i>Citrus sinensis</i> (orange).....	do.....		1		Calif.*
Cutting—unidentified.....	do.....		1		Calif.*
<i>Gardenia augusta</i> (gardenia).....	Australia.....	1	1		Hawaii.
<i>Kadsura japonica</i> (scarlet kadsura).....	Japan.....		1		Pa.
Plant—unidentified.....	do.....			1	Hawaii.
<i>Ceroplastes rusci</i> (L.) (Coccidae):					
<i>Ficus carica</i> (fig).....	France, Italy.....		1	1	N. Y.



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<i>Chilo simplex</i> (Butl.) (Crambidae): <i>Oryza sativa</i> (rice)-----	China, India, Japan, service mail, Spain.	46	8	-----	Calif.*, D.C., Hawaii, Md., Mass., Mich., N.Y., P.R., Tenn., Tex., Wash.
<i>Chionaspis leucadendri</i> Brain (Coccidae): <i>Leucophyllum</i> sp.-----	Union of South Africa	1	-----	-----	N. Y.
<i>Chionaspis wistariae</i> Cooley (Coccidae): <i>Wisteria sinensis</i> (Chinese wisteria)-----	Japan	-----	-----	1	Calif.*
<i>Wisteria</i> sp.-----	do	-----	-----	1	Calif.*
<i>Chrysocoris grandis</i> Thunb. (Pentatomidae): Palm-----	do	-----	1	-----	Calif.*
<i>Chrysomphalus agavis</i> (Townsend & Ckll.) (Coccidae): <i>Agave</i> sp.-----	Mexico	-----	-----	2	Ariz.
<i>Chrysomphalus albopictus</i> (Ckll.) (Coccidae): <i>Citrus sinensis</i> (orange)-----	do	1	-----	-----	Tex.
<i>Persea americana</i> (avocado)-----	do	1	-----	-----	Tex.
<i>Philodendron</i> sp.-----	do	-----	-----	2	Tex.
<i>Chrysomphalus odontoglossi</i> (Ckll.) (Coccidae): Orchid-----	do	-----	-----	1	Ariz.
<i>Chrysomphalus paulistus</i> (Hempel) (Coccidae): <i>Kalmia</i> sp.-----	Brazil	-----	1	-----	N. Y.
<i>Laurus nobilis</i> (Grecian laurel)-----	do	-----	1	-----	Pa.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae): <i>Cocos nucifera</i> (coconut)-----	Costa Rica	1	-----	-----	Calif.*
<i>Frazinus</i> sp. (ash)-----	Mexico	1	-----	-----	Tex.
Leaf—unidentified-----	Madeira Islands, Mexico.	4	-----	-----	Mass., Tex.
<i>Mangifera indica</i> (mango)-----	Canal Zone	1	-----	-----	Fla.*
<i>Melia azedarach</i> (Chinaberry)-----	Mexico	1	-----	-----	Tex.
<i>Persea americana</i> -----	do	-----	-----	1	Tex.
Sapote leaf-----	do	1	-----	-----	Tex.
<i>Chrysomphalus pinnulifera</i> (Mask.) (tentative) (Coccidae): <i>Cymbidium</i> sp. (orchid)-----	Madagascar	-----	-----	1	N. J.
<i>Gastrophys</i> sp.-----	do	-----	-----	1	N. J.
<i>Chrysomphalus scutiformis</i> (Ckll.) (Coccidae): <i>Cocos nucifera</i> (coconut)-----	Mexico, Panama	2	-----	-----	Calif.*
<i>Chrysomphalus smilacis</i> Comst. (Coccidae): <i>Nolina</i> sp. (bear grass)-----	Mexico	1	-----	-----	Ariz.
<i>Chrysomphalus sphaeroides</i> (Ckll.) (Coccidae): <i>Chamaedorea</i> sp. (palm)-----	do	4	-----	-----	Calif.*, Tex.
<i>Monstera</i> sp.-----	do	-----	-----	1	Tex.
Palm-----	do	2	-----	-----	Tex.
<i>Philodendron</i> sp.-----	do	-----	-----	7	Tex.
<i>Chrysomphalus tenax</i> (McKenzie) (Coccidae): <i>Cattleya</i> sp. (orchid)-----	Cuba	-----	-----	1	Tex.
<i>Monstera deliciosa</i> (ceriman)-----	Mexico	-----	-----	1	Calif.*
Orchid-----	Jamaica	-----	-----	1	Fla.
<i>Philodendron</i> sp.-----	Mexico	-----	-----	2	Tex.
<i>Chrysomphalus tingi</i> (McKenzie) (Coccidae): <i>Phalaenopsis amabilis</i> (orchid)-----	Philippines	-----	-----	1	Calif.*
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae): <i>Anthurium</i> sp.-----	Canal Zone	-----	-----	1	Fla.
Bromeliaceae-----	Colombia	-----	-----	1	Calif.*
<i>Laelia</i> sp. (orchid)-----	Mexico	-----	-----	1	Tex.
Orchid-----	Canal Zone, Mexico, Panama, Salvador, Trinidad, Venezuela.	-----	-----	6	Ala., Calif.*, Fla., Tex.
Stem—unidentified-----	Panama	1	-----	-----	N. Y.
<i>Coccus capparidis</i> (Green) (Coccidae): <i>Alyxia olivaeformis</i> (maile alyxia)-----	Hawaii	1	-----	-----	Calif.*
<i>Cypripedium</i> sp. (orchid)-----	India	-----	-----	2	N. J.
<i>Coccus viridis</i> (Green) (Coccidae): <i>Alstonia macrophylla</i> -----	Hawaii	1	-----	-----	Hawaii.
<i>Blighia sapida</i> (akee)-----	Jamaica	1	-----	-----	Fla.*
<i>Citrus aurantifolia</i> -----	Cuba	1	-----	-----	Fla.*
<i>Citrus limon</i> (lemon)-----	Bermuda, Haiti	2	-----	-----	Fla.*, N. Y.

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<i>Coccus viridis</i> —Continued					
<i>Citrus sinensis</i> (orange)-----	Canal Zone-----	1			Fla.*
<i>Coffea</i> sp. (coffee)-----	Puerto Rico-----	1			Fla.*
<i>Gardenia augusta</i> (gardenia)-----	Colombia, Cuba, Hawaii, Venezuela.	69			Calif., Fla., Hawaii, N. Y.
<i>Ixora macrothyrsa</i> (Malay ixora)-----	Hawaii-----			1	Calif.*
<i>Ixora</i> sp.-----	Hawaii, Jamaica, Trinidad.	2		2	Ala., Fla., Hawaii.
Plant—unidentified-----	Antigua-----	1			St. Croix.
<i>Plumeria</i> sp.-----	Hawaii-----			2	Calif.*
<i>Ricinus communis</i> (castor-bean)-----	Jamaica-----	1			Fla.*
<i>Conarthrus vicinus</i> Woll. (Curculionidae):					
Bamboo-----	Philippines-----	1			Mass.
<i>Conchaspis newsteadi</i> Ckll. (Coccidae):					
<i>Plumeria</i> sp.-----	Mexico-----			1	Tex.
<i>Conoderus vagus</i> (Cand.) (Elateridae):					
Airplane-----	do-----		1		Tex.
<i>Conotrachelus aguacatae</i> Barber (Curculionidae):					
<i>Persea americana</i> (avocado)-----	do-----	148			Tex.
<i>Coptotermes formosanus Shiraki</i> (Rhinotermitidae):					
Airplane-----	Hawaii-----		2		Hawaii.
Merchandise-----	China-----	1			Guam.
<i>Cordylomera spinicornis</i> (F.) (Cerambycidae):					
<i>Khaya</i> sp.-----	Gold Coast-----	1			Pa.
<i>Corimelaena elegans</i> (McA. & Mall.) (Pentatomidae):					
Orchid-----	Mexico-----			1	Tex.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae):					
<i>Musa paradisiaca sapientum</i> (banana)-----	Guadeloupe-----			1	P. R.
<i>Crocosema plebeiana</i> Zell. (Olethreutidae):					
Airplane-----	Mexico-----		1		Tex.
<i>Hibiscus esculentus</i> (okra)-----	do-----	9			Tex.
<i>Cryptoblabes gnidiella</i> (Mill.) (Phycitidae):					
<i>Malus sylvestris</i> (apple)-----	Italy-----	1			N. Y.
<i>Nerium oleander</i> (oleander)-----	Bermuda-----			1	N. Y.
Plant—unidentified-----	do-----			1	N. Y.
<i>Punica granatum</i> (pomegranate)-----	Italy, Lebanon-----	3			N. Y., Pa.
<i>Vitis</i> sp. (grape)-----	Brazil-----		1		N. Y.
<i>Cryptophlebia illepidia</i> (Btlr.) (Olethreutidae):					
<i>Macadamia</i> sp.-----	Hawaii-----	1			Hawaii.
<i>Pithecellobium dulce</i> -----	do-----	1			Do.
<i>Cryptophlebia leucotreta</i> (Meyr.) (Olethreutidae):					
<i>Citrus grandis</i> (pummelo)-----	Union of South Africa-----		1		Tex.
<i>Citrus paradisi</i> (grapefruit)-----	do-----		2		N. Y., Pa.
<i>Citrus sinensis</i> (orange)-----	Belgian Congo, Union of South Africa.		3		Md., N. Y., Tex.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae):					
Hardwood case-----	Hawaii-----	1			Calif.*
<i>Ctenicera cupreus</i> (F.) (Elateridae):					
<i>Calluna vulgaris</i> (heather)-----	England-----			1	N. J.
<i>Curculio elephas</i> (Gyll.) (Curculionidae):					
<i>Castanea</i> sp. (chestnut)-----	Italy, France, Portugal, Spain, Yugoslavia.	38	1		Mass., Mich., N. Y., Oreg., Pa., Tex.
<i>Quercus</i> sp. (oak)-----	Portugal-----			1	Mo.
<i>Curculio nucum</i> L. (Curculionidae):					
<i>Corylus avellana</i> (filbert)-----	Italy-----	1			Mass.
<i>Cylas formicarius</i> F. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	India, Straits Settlements.	2	2		Ga., Mass., N. Y.
<i>Cylas formicarius</i> F. var. (Curculionidae):					
<i>Ipomoea batatas</i> -----	Thailand-----	1			N. Y.
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	Cuba, Haiti, Jamaica, Mexico, Puerto Rico, Tortola, Trinidad.	27	5	1	Ala., D. C., Fla., Md., N. Y., Pa., St. Thomas & St. John, Tex.



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<i>Dacus caudatus</i> F. (Tephritidae):					
<i>Macrozanonia macrocarpa</i> .....	Indonesia.....	1			N. J.
<i>Dacus ciliatus</i> Loew (?) (Tephritidae):					
<i>Cucurbita pepo</i> (pumpkin).....	Union of South Africa.....		1		Md.
<i>Dacus cucurbitae</i> Coq. (Tephritidae):					
<i>Capsicum frutescens</i> (pepper).....	Hawaii.....		1		Calif.*
<i>Cucumis sativus</i> (cucumber).....	do.....		3		Calif.*
<i>Cucurbita maxima</i> (squash).....	do.....		1		Calif.*
<i>Cucurbita pepo</i> (pumpkin).....	do.....	1			Calif.*
<i>Lycopersicon esculentum</i> (tomato).....	do.....		10		Ala., Calif.*, Tex.
<i>Momordica charantia</i> (balsam-pear).....	Philippines.....	1			Guam.
<i>Dacus cucurbitae</i> Coq. (?) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber).....	Hawaii.....		4		Calif.*, Tex.
<i>Cucurbita maxima</i> (squash).....	do.....		1		Tex.
<i>Lycopersicon esculentum</i> (tomato).....	do.....		1		Wash.
<i>Dacus dorsalis</i> Hend. (Tephritidae):					
Airplane.....	do.....		2		Hawaii.
In box with anthuriums.....	do.....	1			Do.
<i>Coffea</i> sp. (coffee).....	do.....	2			Do.
<i>Lycopersicon esculentum</i> (tomato).....	do.....		1		Calif.*
<i>Mangifera indica</i> (mango).....	do.....	5	1		Calif.*, Hawaii.
<i>Persea americana</i> (avocado).....	do.....	2	1		Calif.*, Hawaii.
<i>Psidium guajava</i> (guava).....	do.....	2			Calif., Hawaii.
<i>Terminalia catappa</i> (Indian almond).....	do.....	1			Hawaii.
<i>Dacus dorsalis</i> Hend. (?) (Tephritidae):					
<i>Mangifera indica</i> (mango).....	do.....	1			Do.
<i>Persea americana</i> (avocado).....	do.....	1			Calif.*
<i>Dacus oleae</i> (Gmel.) (Tephritidae):					
<i>Olea europaea</i> (olive).....	Italy, Lebanon, Portugal, Spain, Syria.	29		1	Mass., Mich., N. Y.
<i>Dacus oleae</i> (Gmel.) (?) (Tephritidae):					
<i>Olea europaea</i> (olive).....	Italy.....	2			N. Y.
<i>Dendrothrips ornatus</i> (Jablon) (Thripidae):					
<i>Syringa</i> sp. (lilac).....	Netherlands.....	1			N. Y.
<i>Deroceras reticulatum</i> (Muller) (Mollusca):					
<i>Apium graveolens</i> (celery).....	do.....		1		Pa.
Araceae.....	Costa Rica.....			1	Fla.
<i>Brassica oleracea capitata</i> (cabbage).....	England, Italy, Netherlands, New Zealand, Spain.	1	5		La., Mass., N. Y., Pa.
<i>Cymbidium</i> sp. (orchid).....	Australia.....			1	Hawaii.
<i>Foeniculum vulgare dulce</i> .....	Belgium.....		1		Mass.
<i>Lactuca sativa</i> (lettuce).....	Philippines, Portugal.....		2		Hawaii, N. Y.
Leaf—unidentified.....	Japan.....	1			Hawaii.
Soil with assorted plants.....	Azores.....			1	Mass.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron catawbiense</i> .....	Netherlands.....			3	N. J.
<i>Rhododendron giganteum</i> .....	do.....			1	N. J.
<i>Rhododendron roseum</i> .....	do.....			4	N. J.
<i>Rhododendron</i> sp.....	England, Netherlands.....			10	N. J.
<i>Dialeurodes citri</i> (Ashm.) (Aleyrodidae):					
<i>Citrus sinensis</i> (orange).....	Japan.....		1		Calif.*
<i>Gardenia augusta</i> .....	Mexico.....			1	Tex.
<i>Gardenia</i> var.....	Japan.....			1	Calif.*
<i>Dialeurodes citrifolii</i> (Aleyrodidae):					
<i>Citrus</i> sp.....	Colombia, Mexico.....	3			Fla.*, Tex.
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia</i> var.....	Philippines.....	1			Calif.*
<i>Jasminum sambac</i> (Arabian jasmine).....	do.....			2	Calif.*
Plant—unidentified.....	Japan.....		1		Calif.*
<i>Diaprepes famelicus</i> Oliv. var. (Curculionidae):					
<i>Hibiscus</i> sp.....	Bermuda.....	1			N. Y.
<i>Lilium</i> sp.....	do.....	1			N. Y.
<i>Diaspis carueli</i> (Targ.) (Coccidae):					
<i>Cryptomeria</i> sp.....	Japan.....			1	Calif.*
<i>Dicyphus annulatus</i> (Wolff) (Miridae):					
<i>Lactuca sativa</i> (lettuce).....	Germany.....		1		Mass.
<i>Dinoderopsis serriger</i> Lesne (?) (Bostrichidae):					
Wooden bowl.....	British East Africa.....	1			Ill.

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<i>Diocalandra taitensis</i> (Guer.) (Curculionidae):					
<i>Brassica</i> sp. (mustard)-----	Hawaii-----	1			Hawaii.
<i>Cocos nucifera</i> (coconut)-----	do-----	1			Hawaii.
<i>Diorymerellus laevimargo</i> Champ. (Curculionidae):					
Orchid-----	Mexico-----			8	Tex.
<i>Diptacus gigantorhynchus</i> (Nal.) (Eriophyidae):					
<i>Prunus spinosa</i> (?)-----	Ireland-----	1			Mass.
<i>Dolichotetranychus floridanus</i> (Banks) (Phytotipalpidae):					
<i>Ananas comosus</i> (pineapple)-----	Cuba-----		1		Fla.*
<i>Dolichotetranychus vandergooti</i> (Oudas.) (Phytotipalpidae):					
<i>Dendrobium</i> sp. (orchid)-----	Thailand-----			1	Hawaii.
<i>Draeculacephala producta</i> (Walk.) (Cicadellidae):					
Airplane-----	Mexico-----		1		Tex.
<i>Gladiolus</i> sp-----	do-----	1			Tex.
<i>Dysdercus flavolimbatus</i> Stal (Pyrrhocoridae):					
Palm-----	do-----	1			Tex.
<i>Dyspessa ulula</i> (Bkh.) (Cossidae):					
<i>Allium sativum</i> (garlic)-----	Italy, Spain-----	16			N. Y.
<i>Epidiaspis piricola</i> (del Guer.) (Coccidae):					
<i>Malus sylvestris</i> (apple)-----	Greece, Italy-----	1		1	N. Y.
<i>Prunus domestica</i> (plum)-----	Chile-----	1			N. Y.
<i>Pyrus communis</i> (pear)-----	France-----			1	D. C.
<i>Epilachna varivestis</i> Muls. (Coccinellidae):					
Orchid-----	Mexico-----			1	Tex.
<i>Selaginella</i> sp-----	do-----			1	Tex.
<i>Epinotia opposita</i> Hein. (Olethreutidae):					
<i>Phaseolus vulgaris</i> var. (string bean)-----	Mexico, Peru, Uruguay-----	4	6		La., N. Y., Tex.
<i>Ereuentis flavistriata</i> Wlsm. (Tineidae):					
<i>Cocos nucifera</i> (coconut)-----	Hawaii-----	12			Hawaii.
<i>Ericerus pe-la</i> (Chav.) (Coccidae):					
<i>Prunus</i> var-----	Japan-----			1	Calif.*
<i>Eriococcus abeliceae</i> Kuw. (Coccidae):					
<i>Zelkova</i> sp-----	do-----			1	Calif.*
<i>Eriophyes canestrinii</i> (Nal.) (Eriophyidae):					
<i>Buxus sempervirens</i> (box)-----	Netherlands-----			3	N. J.
<i>Buxus</i> sp-----	do-----			6	N. J.
<i>Eriophyes leionotus</i> (Nal.) (Eriophyidae):					
<i>Betula</i> sp-----	Finland-----	1			Mass.
<i>Eriophyes similis</i> Nal. (Eriophyidae):					
<i>Prunus spinosa</i> (?)-----	Ireland-----	1			Mass.
<i>Euborellia moesta</i> (Serv.) (Labiduridae):					
<i>Lilium</i> sp-----	Italy-----			1	N. Y.
<i>Euborellia plebeja</i> (Dohrn.) (Labiduridae):					
<i>Mangifera indica</i> (mango)-----	Thailand-----			1	N. J.
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae):					
<i>Gardenia augusta</i> (gardenia)-----	Australia, Guatemala, Hawaii, Mexico-----	4			La., Hawaii, Tex.
<i>Eulachnus piniformosanus</i> Takah. (?) (Aphidae):					
<i>Pinus</i> sp. (pine)-----	Japan-----			1	Calif.*
<i>Eurytoma orchidearum</i> (Westw.) (Eurytomidae):					
<i>Cattleya leopoldii</i> (orchid)-----	Brazil-----			1	N. J.
<i>Cattleya</i> sp-----	Venezuela-----			4	N. J.
<i>Euscepes postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	Colombia, Hawaii, Peru, Puerto Rico, Tortola, Trinidad-----	3	3		Ala., Hawaii, Md., N. Y., St. Thomas & St. John, Tex.
<i>Eustrophinus marginatus</i> Champ. (Melandryidae):					
Orchid-----	Mexico-----			1	Tex.
<i>Eutetranychus banksi</i> (McG.) (Tetranychidae):					
<i>Rosa</i> sp-----	Mexico (?)-----		1		Tex.
Sapote-----	Mexico-----	1			Tex.
<i>Evergestis forficalis</i> (L.) (Pyraustidae):					
<i>Brassica oleracea capitata</i> (cabbage)-----	Belgium-----		3		Pa., Tex.
<i>Evergestis rhimosalis</i> (Gn.) (Pyraustidae):					
<i>Brassica oleracea capitata</i> -----	France-----		1		N. Y.
<i>Exptochiomera oblonga</i> Stal (Lygaeidae):					
<i>Gladiolus</i> sp-----	Mexico-----	1			Calif.*



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<i>Ferrisia virgata</i> (Ckll.) (Coccidae):					
<i>Asplenium nidus</i> (birdsnest fern)	Palmyra Island	1			Hawaii.
<i>Citrus</i> sp.	Mexico	1			Calif.*
<i>Codiaeum</i> sp. (croton)	Bahamas			1	N. Y.
<i>Cordyline terminalis</i> (ti)	Hawaii	1			Hawaii
<i>Dendrobium</i> sp. (orchid)	Philippines			1	Calif.*
<i>Gardenia augusta</i> (gardenia)	Cuba	1			Fla.*
<i>Ixora</i> sp.	Trinidad	1			P. R.
<i>Laelia albida</i> (orchid)	Mexico			1	Calif.*
<i>Mussaenda</i> sp.	Philippines			1	Calif.*
<i>Odontoglossum</i> sp. (orchid)	Trinidad			1	N. J.
<i>Operculina tuberosa</i> (wood-rose)	Hawaii	1			Hawaii.
<i>Portulaca</i> sp.	Mexico			1	Tex.
<i>Rosa</i> sp.	Cuba	1			Fla.*
Shrub—unidentified	Philippines		1		Hawaii.
<i>Frankliniella bispinosa</i> (Morg.) (Thripidae):					
Flowers—mixed	Bermuda	1			N. Y.
<i>Freesia</i> sp.	do	1			N. Y.
<i>Gladiolus</i> sp.	Argentina	1			N. Y.
<i>Hibiscus</i> sp.	Bermuda	2		1	N. Y.
<i>Jasminum</i> sp.	do	1			N. Y.
Moss with plants	France			1	Mass.
<i>Pittosporum undulatum</i> (orange pittosporum)	Bermuda			1	Mass.
<i>Frankliniella cestrum</i> Mlt. (Thripidae):					
<i>Bromus</i> sp.	Argentina			1	D. C.
<i>Melilotus alba</i> (white sweet clover)	do			1	D. C.
<i>Frankliniella formosae</i> Mlt. (Thripidae):					
<i>Chrysanthemum</i> sp.	Japan	3	2	1	Calif.*, Ha- wail, Wash.
<i>Dianthus</i> sp. (carnation)	do	1	1	1	Hawaii, Wash.
Flowers—mixed	do	2			Wash.
<i>Gladiolus</i> sp.	do	1			Hawaii.
<i>Frankliniella fortissima</i> Pr. (Thripidae):					
<i>Gladiolus</i> sp.	Mexico	2			Calif.*
<i>Frankliniella intonsa</i> (Tryb.) (Thripidae):					
<i>Calluna vulgaris</i> (heather)	Scotland	1			N. Y.
<i>Dianthus</i> sp. (carnation)	Germany	1			N. Y.
<i>Gladiolus</i> sp.	Germany, unknown	1	1		N. Y.
<i>Primula</i> spp.	England	1			N. J.
<i>Rosa</i> sp. (rose)	England, Germany	3			Mass., N. Y.
<i>Frankliniella pallida</i> (Uzel) (Thripidae):					
<i>Leontopodium alpinum</i> (edelweiss)	Switzerland	1			D. C.
<i>Frankliniella paucispinosa</i> Mlt. (Thripidae):					
<i>Dahlia</i> sp.	Brazil		1		Fla.*
<i>Frankliniella schultzei</i> (Tryb.) (Thripidae):					
Flowers—unidentified	India		1		N. Y.
<i>Ornithogalum thyrsoides</i> (chinkerichee)	Union of South Africa	2			N. J.
<i>Fulvius anthocorides</i> Stal (Miridae):					
Orchid	Guatemala, Mexico			3	Tex.
<i>Philodendron</i> sp.	Mexico			2	Tex.
<i>Fundella pellucens</i> (Zell.) (Phycitidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Canal Zone, Jamaica		2		Ala., Fla.*
<i>Fundella pellucens</i> (Zell.) (?) (Phycitidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Venezuela		2		Ala.
<i>Furcaspis biformis</i> (Ckll.) (Coccidae):					
<i>Brassavola nodosa</i> (orchid)	Canal Zone			1	Calif.*
<i>Brassia</i> sp. (orchid)	do			1	Calif.*
<i>Cattleya aurea</i> (orchid)	do			1	Calif.*
<i>Cattleya dowiana</i>	Panama			1	Tex.
<i>Cattleya skinneri</i>	Costa Rica			1	Calif.*
<i>Cattleya</i> sp.	Costa Rica, Venezuela			3	Fla., N. J., Tex.
<i>Epidendrum atropurpureum</i> (orchid)	Canal Zone			3	Calif.*
<i>Epidendrum</i> sp.	do			5	Calif.*, Fla., Hawaii, N. J.
<i>Laelia albida</i> (orchid)	Mexico			1	Calif.*
<i>Maxillaria luteoalba</i> (orchid)	Canal Zone			1	Calif.*
<i>Oncidium ampliatus</i> (orchid)	do			1	Calif.*
<i>Oncidium panamense</i>	do			1	Calif.*
<i>Oncidium parviflorum</i>	do			1	Calif.*
<i>Oncidium</i> sp.	Canal Zone, Trinidad			2	Fla., N. J.

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<i>Furcaspis biformis</i> —Continued					
Orchid.....	American Virgin Islands, Canal Zone, Curacao, Jamaica, Morocco, Panama.	---	---	20	Calif.*; Fla., N. J., St. Thomas & St. John.
Palm.....	Mexico.....	2	---	---	Tex.
<i>Pedilanthus</i> sp.....	Indonesia.....	---	---	1	N. J.
<i>Vanda</i> sp. (orchid).....	Hawaii.....	1	---	---	Hawaii.
<i>Furcaspis oceanica</i> Ldgr. (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Kwajalein.....	1	---	---	Do.
<i>Galgupha magna</i> Sailer (Pentatomidae):					
Orchid.....	Mexico.....	---	---	1	Tex.
<i>Galgupha vinculata</i> (Germar) (Pentatomidae):					
<i>Andropogon condensatus</i> .....	Brazil.....	---	---	1	D. C.
<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae):					
<i>Calluna vulgaris</i> (heather).....	Germany, Scotland.....	4	---	---	Mass., N. Y.
<i>Gerstaeckeria mutillaria</i> (Gerst.) (Curculionidae):					
<i>Mammillaria</i> sp. (cactus).....	Mexico.....	---	---	1	Tex.
<i>Glycyphagus domesticus</i> Deg. (Glycyphagidae):					
<i>Allium cepa</i> (onion).....	Ireland.....	1	---	---	N. Y.
<i>Diospyros</i> sp. (persimmon).....	Italy.....	1	---	---	N. Y.
<i>Malus sylvestris</i> (apple).....	Germany.....	1	---	---	Pa.
<i>Pyrus communis</i> (pear).....	do.....	1	---	---	Fla.*
Soil around carrots.....	Argentina.....	---	1	---	Mass.
<i>Solanum tuberosum</i> (potato).....	Netherlands.....	---	1	---	Tex.
Straw jacket.....	France.....	1	---	---	Fla.*
<i>Gnorimoschema borsaniella</i> Koehr. (?) (Gelechiidae):					
<i>Capsicum frutescens</i> (pepper).....	Brazil.....	---	1	---	Pa.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae):					
<i>Capsicum frutescens</i> .....	Mexico.....	5	---	---	Ariz.
<i>Capsicum frutescens grossum</i> (bell pepper).....	do.....	1	---	---	Ariz.
<i>Capsicum frutescens longum</i> (chili pepper).....	do.....	2	---	---	Calif., Tex.
<i>Gortyna flavago</i> (Schiff.) (Phalaenidae):					
<i>Cynara cardunculus</i> (cardoon).....	Italy.....	---	---	1	N. Y.
<i>Gortyna ochracea</i> (Hbn.) (Phalaenidae):					
<i>Cynara scolymus</i> (globe artichoke).....	France.....	---	2	---	Tex.
<i>Gracilaria azalea</i> Brants (Gracilariidae):					
<i>Rhododendron indicum</i> (indica azalea).....	Belgium.....	---	---	3	N. J.
<i>Rhododendron</i> sp.....	England, Netherlands.....	---	---	2	N. J., Wash.
<i>Grapholitha molesta</i> (Busck) (Olethreutidae):					
<i>Malus sylvestris</i> (apple).....	Japan.....	---	1	---	Tex.
<i>Prunus persica</i> (peach).....	do.....	1	1	---	Wash.
<i>Gymnandrosoma aurantianum</i> DaCosta Lima (Olethreutidae):					
<i>Citrus sinensis</i> (orange).....	Brazil.....	---	1	---	Va.
<i>Halyomorpha picta</i> (F.) (Pentatomidae):					
<i>Oryza sativa</i> (rice).....	Japan.....	1	---	---	Hawaii.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae):					
<i>Antirrhinum majus</i> (snapdragon).....	Haiti.....	1	---	---	P. R.
<i>Centaurea americana</i> (basketflower).....	Bermuda.....	1	---	---	Mass.
<i>Chrysanthemum</i> sp.....	Israel.....	1	---	---	N. Y.
<i>Cordyline terminalis</i> (ti).....	Hawaii.....	2	---	---	Hawaii.
Flowers—mixed.....	India, Madeira Islands.....	1	1	---	N. Y.
<i>Gerbera</i> sp.....	Bermuda.....	1	---	---	N. Y.
<i>Hibiscus</i> sp.....	Bermuda, Japan.....	3	1	---	Hawaii, N. Y.
<i>Lathyrus odoratus</i> (sweet pea).....	Australia, Bermuda.....	1	1	---	Hawaii, N. Y.
<i>Nerium oleander</i> (oleander).....	Bermuda.....	---	---	1	N. Y.
<i>Viola</i> sp. (violet).....	do.....	1	---	---	N. Y.
<i>Haplothrips nigricornis</i> (Bagn.) (Phlaeothripidae):					
<i>Ornithogalum thyrsoides</i> (chinkerichiee).....	Union of South Africa.....	2	---	---	N. J., N. Y.
<i>Haplothrips wouramboulchii</i> Mlt. (Phlaeothripidae):					
<i>Ornithogalum thyrsoides</i> (chinkerichiee).....	do.....	2	---	---	N. Y.
<i>Helix aspersa</i> (Mollusca):					
<i>Agave</i> sp.....	Mexico.....	---	---	1	Ariz.
Flowers—mixed.....	New Zealand.....	1	---	---	Hawaii.
<i>Heterobostrychus aequalis</i> Waterh. (Bostrichidae):					
Wooden crate.....	India.....	7	---	---	Calif.*



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<i>Heterotermes convexinotatus</i> (Snyder) (Rhinotermitidae):					
<i>Eugenia floribunda</i> (guavaberry).....	Jost Van Dykes.....	1			St. Thomas & St. John.
<i>Hydrellia nasturtii</i> Collin (Ephydriidae):					
<i>Rorippa nasturtium-aquaticum</i> (watercress).....	England.....		1		Mass.
<i>Hylurgopinus rufipes</i> (Eichh.) (Scolytidae):					
<i>Ulmus</i> sp. (elm).....	Canada.....	3			N. Y.
<i>Hylurgops palliatus</i> (Gyll.) (Scolytidae):					
<i>Picea</i> sp. (spruce).....	Sweden.....	1			N. Y.
<i>Pinus</i> sp. (pine).....	Germany.....	1			Ala.
<i>Hypera nigrirostris</i> (F.) (Curculionidae):					
Forest litter.....	Spain.....	1			N. Y.
<i>Icerya palmeri</i> Riley & Howard (Coccidae):					
<i>Rathbunia</i> sp. (cactus).....	Mexico.....			1	Tex.
<i>Ips sexdentatus</i> (Boern.) (Scolytidae):					
<i>Pinus</i> sp. (pine).....	Belgium.....	1			Tex.
<i>Iridomyrmex humilis</i> Mayr (Formicidae):					
Airplane.....	Hawaii.....		1		Hawaii.
<i>Ananas comosus</i> (pineapple).....	Azores.....	1		1	N. Y.
<i>Cynara scolymus</i> (globe artichoke).....	Italy.....	1			N. Y.
<i>Dianthus</i> sp. (carnation).....	do.....	2			N. Y.
<i>Gladiolus</i> sp.....	Bermuda.....	1			N. Y.
<i>Hedera</i> sp. (ivy).....	do.....			1	N. Y.
<i>Laurus nobilis</i> (Grecian laurel).....	do.....	1			N. Y.
Orchid.....	Hawaii.....	1			Hawaii.
<i>Polianthes tuberosa</i> (tuberose).....	Italy.....	1			N. Y.
<i>Saccharum officinarum</i> (sugarcane).....	Portugal.....	1			N. Y.
Suitcase.....	Azores.....	2			N. Y.
<i>Vanda</i> sp. (orchid).....	Hawaii.....	1			Hawaii.
<i>Vitis</i> sp. (grape).....	Union of South Africa.....	2			N. Y.
<i>Zantedeschia aethiopica</i> (calla lily).....	Azores.....			1	Mass.
<i>Iridomyrmex iniquus</i> Mayr (Formicidae):					
<i>Lycaste</i> sp. (orchid).....	Guatemala.....			1	N. J.
Orchid.....	Brazil, Guatemala.....			5	Fla., N. J., Tex.
<i>Kaloterms durbanensis</i> Hav. (Kalotermitidae):					
Conifer board.....	Union of South Africa.....		1		Tex.
<i>Lampetia equestris</i> (F.) (Syrphidae):					
<i>Narcissus</i> sp.....	England, Italy, Netherlands, Switzerland.....			5	N. J., N. Y., Oreg., Tex., Va.
<i>Scilla natalensis</i> .....	Union of South Africa.....			1	N. J.
<i>Solanum tuberosum</i> (potato).....	do.....		1		N. Y.
<i>Lampides boeticus</i> (L.) (Lycacnidae):					
<i>Canavalia</i> sp.....	Hawaii.....	25			Calif.*, Hawaii. Do.
<i>Coleus blumei</i> (coleus).....	do.....	1			
<i>Laspeyresia leguminis</i> Hein. (Olethreutidae):					
<i>Phaseolus vulgaris</i> var. (string bean).....	Mexico.....		1		Tex.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut).....	England, Italy, Japan, Portugal, Spain, Yugoslavia.....	36	1		Calif.*, Mass., N. Y., Pa., Tex.
<i>Lecanium corni</i> (Bouche) (Coccidae):					
<i>Laurus</i> sp.....	Italy.....	1			Mass.
<i>Vitis</i> sp.....	Portugal.....			1	Mass.
<i>Lepidosaphes bladhiae</i> Tak. (tentative) (Coccidae):					
Succulent—unidentified.....	Hawaii.....			1	Calif.*
<i>Lepidosaphes carinata</i> (Ckll.) (Coccidae):					
<i>Philodendron</i> sp.....	Mexico.....			2	Tex.
<i>Lepidosaphes esakii</i> Tak.					
<i>Cocos nucifera</i> (coconut).....	Kwajalein.....	1			Hawaii.
<i>Lepidosaphes ficus</i> (Sign.) (Coccidae):					
<i>Ficus</i> sp. (fig).....	Italy, Turkey.....	1		3	D. C., Mass.
<i>Lepidosaphes kuwacola</i> Kuw. (Coccidae):					
<i>Zelkova</i> sp.....	Japan.....			1	Wash.
<i>Lepidosaphes machili</i> (Mask.) (Coccidae):					
<i>Chaenomeles</i> sp.....	do.....			1	Calif.*

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<i>Lepidosaphes newsteadi</i> (Sulc.) (Coccidae):					
<i>Chamaecyparis</i> sp.	do			1	Calif.*
<i>Juniperus chinensis</i> (Chinese juniper)	do			2	Calif.*
<i>Juniperus</i> sp.	do			3	Calif.*
<i>Pinus</i> sp. (pine)	do		1		Calif.*
<i>Tamarix</i> sp. (tamarisk)	do			1	Calif.*
<i>Lepidosaphes pallida</i> (Green) (Coccidae):					
<i>Juniperus</i> sp.	do			8	Calif.*
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae):					
<i>Beaucarnea</i> sp.	Mexico			1	Tex.
Cactus	do			1	Tex.
<i>Pachycereus marginatus</i> (cactus)	do			1	Tex.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae):					
<i>Codiaeum variegatum</i> (croton)	Hawaii, Thailand	1		1	Calif.*, Hawaii.
<i>Codiaeum</i> sp.	Canal Zone, Ecuador, Guam, Hawaii.	6		5	Calif.*, Fla., Hawaii.
<i>Hibiscus</i> sp.	Hawaii			1	Hawaii.
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae):					
<i>Cymbidium sinense</i> (orchid)	China			1	Calif.*
<i>Cymbidium</i> sp.	Australia, England, Formosa, India, Japan, Netherlands.			50	Calif.*, Hawaii, N. J.
<i>Dendrobium</i> sp. (orchid)	Australia			1	Calif.*
<i>Lepidosaphes vermiformis</i> Tak. (Coccidae):					
<i>Bambusa</i> sp. (bamboo)	Philippines	1			Hawaii.
<i>Leptoglossus chilensis</i> (Spinola) (Coreidae):					
<i>Vitis</i> sp. (grape)	Chile	8			N. Y., Tex.
<i>Leucaspis cockerelli</i> (de Charmoy) (Coccidae):					
<i>Arundinaria</i> sp.	Hawaii			1	Hawaii.
<i>Citrus aurantifolia</i>	Cuba, Jamaica, Salvador.	3			Calif.*, Fla.*
<i>Citrus aurantifolia</i> (sour lime)	Central America, Costa Rica, Jamaica.		3		Calif.*
<i>Citrus limon</i> (lemon)	Salvador	1			Calif.*
<i>Citrus paradisi</i> (grapefruit)	Cuba, Jamaica, Trinidad.		3		Calif.*
<i>Citris sinensis</i> (orange)	British West Indies, Canal Zone, West Indies.	3	4		Calif.*, Fla.*
Leaf—unidentified	Ecuador	1			Calif.*
Orchid	Nicaragua, Panama.			2	Calif.*
<i>Leucinodes orbonalis</i> Guen. (Pyraustidae):					
<i>Solanum melongena</i> (eggplant)	Cape Verde Islands		1		Md.
<i>Ligyrocoris nitidicollis</i> (Stal) (Lygaeidae):					
Orchid	Guatemala			1	Tex.
<i>Ligyrrus ebenus</i> (Dcg.) (Scarabaeidae):					
<i>Ananas comosus</i> (pineapple)	Mexico	1			Tex.
<i>Limax marginatus</i> (Muller) (Mollusca):					
<i>Brassica oleracea capitata</i> (cabbage)	Spain		1		Pa.
<i>Chaneomeles</i> sp.	Japan			1	Hawaii.
<i>Limax maximus</i> L. (Mollusca):					
<i>Brassica oleracea capitata</i>	Italy		1		Pa.
<i>Lineodes integra</i> (Zell.) (Pyraustidae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	1			Tex.
<i>Solanum melongena</i> (eggplant)	do	1			Ariz.
<i>Listroderes costirostris obliquus</i> Klug. (Curculionidae):					
<i>Brassica rapa</i> (turnip)	Japan		1		Pa.
<i>Listroderes subcinctus</i> Boh. (Curculionidae):					
Packing with plums	Chile	1			N. Y.
<i>Prunus domestica</i> (plum)	do	1			N. Y.
<i>Prunus persica nectarina</i> (nectarine)	do	1			N. Y.
<i>Lixus junci</i> Boh. (Curculionidae):					
<i>Beta vulgaris</i> (beet)	Egypt		1		N. Y.
<i>Lygus rugulipennis</i> Poppius (Miridae):					
<i>Dianthus</i> sp. (carnation)	Germany	1			N. Y.
<i>Macrodactylus mexicanus</i> Burm. (Scarabaeidae):					
<i>Chrysanthemum maximum</i> (Shasta daisy)	Mexico	1			Tex.
<i>Macroplax fasciata</i> Hsiao & Sailer (Lygaeidae):					
<i>Cistus laurifolius</i> (laurel rockrose)	Turkey			1	D. C.
<i>Macropygium reticulara</i> (F.) (Pentatomidae):					
Orchid	Mexico			1	Tex.



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<i>Macrosiphum formosanum</i> Takah. (Aphidae): <i>Lactuca sativa</i> (lettuce)-----	Japan, Philippines-----	1	1	-----	Hawaii.
<i>Macrosiphum gei</i> (Koch) (?) (Aphidae): <i>Dianthus</i> sp. (carnation)-----	Germany-----	-----	-----	1	N. Y.
<i>Mamestra brassicae</i> L. (Phalaenidae): <i>Brassica oleracea capitata</i> (cabbage)-----	France, Italy-----	-----	2	-----	N. Y., Pa.
<i>Brassica rapa</i> (turnip)-----	France-----	-----	1	-----	Pa.
<i>Maruca testulalis</i> (Geyr.) (Pyraustidae): <i>Canavalia</i> sp.-----	Hawaii-----	10	-----	-----	Calif.*, Ha- wail.
<i>Phaseolus vulgaris</i> var. (string bean)-----	Brazil, Cuba, Hawaii, Japan, Puerto Rico.	2	6	-----	Calif.*, Ha- wail, Mass., P. R., Tex., Wash.
<i>Megalometis chiliensis</i> Boh. (Curculionidae): <i>Prunus domestica</i> (plum)-----	Chile-----	2	-----	-----	N. Y.
<i>Prunus persica nectarina</i> (nectarine)-----	do-----	1	-----	-----	N. Y.
<i>Metamasius sericeus</i> (Oliv.) (Curculionidae): <i>Musa paradisiaca sapientum</i> (banana)-----	Costa Rica, Ecuador, Panama.	38	-----	-----	Calif.*, N. Y., S. C., Tex.
<i>Metamasius sericeus carbonarius</i> (Chev.) (Curculionidae): <i>Musa paradisiaca sapientum</i> (banana)-----	Mexico-----	1	-----	1	Tex.
<i>Micrapate labialis</i> Lesne (Bostrychidae): <i>Euphorbia pulcherrima</i> (poinsettia)-----	do-----	1	-----	-----	Calif.*
<i>Micrelus ericae</i> (Gyll.) (Curculionidae): <i>Calluna vulgaris</i> (heather)-----	Germany, Scotland-----	7	-----	-----	Mass., N. Y.
<i>Microcephalothrips abdominalis</i> Crawf. (Thripidae): <i>Chrysanthemum</i> sp.-----	Japan-----	-----	1	-----	Calif.*
Flowers—unidentified-----	India, Japan-----	1	1	-----	N. Y., Wash.
<i>Mimosestes dominicanus</i> (Jekel) (Bruchidae): <i>Acacia farnesiana</i> (sweet acacia)-----	Trinidad-----	-----	-----	1	Tex.
<i>Caesalpinia coriaria</i> (divi-divi)-----	Dominican Republic-----	1	-----	-----	Pa.
<i>Mimosestes sallaei</i> (Sharp) (Bruchidae): <i>Acacia</i> sp.-----	Trinidad-----	-----	-----	1	Tex.
Airplane-----	Hawaii-----	-----	1	-----	Hawaii.
<i>Punica granatum</i> (pomegranate)-----	Mexico-----	1	-----	-----	Ariz.
<i>Minthea rugicollis</i> (Wlk.) (Lyctidae): Root—unidentified-----	China-----	1	-----	-----	Hawaii.
Wooden crates-----	India-----	30	-----	-----	Calif.*
<i>Mitrastethus brouni</i> Faust (Curculionidae): <i>Cordylone terminalis</i> (ti)-----	Hawaii-----	-----	-----	1	Hawaii.
<i>Mniophila muscorum</i> Koch (Chrysomelidae): Soil with plants-----	Italy-----	-----	-----	1	N. Y.
<i>Monacha obstructa</i> (Fer.) (Mollusca): Vegetables-----	Lebanon (?)-----	-----	1	-----	Calif.*
<i>Monomorium destructor</i> (Jerd.) (Formicidae): <i>Bryophyllum</i> sp.-----	Jamaica-----	1	-----	-----	Mass.
Bulb-----	Japan-----	-----	-----	1	Hawaii.
Flowers—mixed-----	Bermuda-----	1	-----	-----	N. Y.
Herb-----	Jamaica-----	1	-----	-----	Mass.
Orchid-----	do-----	-----	-----	1	Fla.
Rhizome—unidentified-----	do-----	-----	-----	1	Mass.
<i>Saccharum officinarum</i> (sugarcane)-----	Venezuela-----	1	-----	-----	N. Y.
<i>Vanda</i> sp. (orchid)-----	India-----	-----	-----	1	N. J.
<i>Moodna bisinuella</i> Hamp. (Phycitidae): <i>Zea mays</i> (corn)-----	Mexico-----	-----	1	-----	Tex.
<i>Morganella longispina</i> (Morg.) (Coccidae): <i>Citrus grandis</i> (pummelo)-----	Tahiti-----	1	-----	-----	Calif.*
<i>Nerium oleander</i> (oleander)-----	Bahamas, Bermuda-----	-----	-----	2	D. C., N. Y.
<i>Myochrous carinatus</i> Jac. (Chrysomelidae): <i>Ananas comosus</i> (pineapple)-----	Mexico-----	1	-----	-----	Tex.
<i>Myochrous femoralis</i> Jac. (Chrysomelidae): Orchid-----	Canal Zone-----	-----	-----	1	N. J.
<i>Myodocha longicollis</i> Stal (Lygaeidae): Orchid-----	Mexico-----	-----	-----	2	Tex.
<i>Nasutitermes nigriceps</i> (Haldeman) (Termitidae): Orchid-----	Trinidad-----	-----	-----	1	Fla.
<i>Neodryocoetes guianae</i> Blkm. (Scolytidae): <i>Cajanus cajan</i> (pigeonpea)-----	British Guiana-----	-----	-----	1	N. J.

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<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae):					
<i>Capsicum frutescens</i> (pepper)	Brazil		1		Pa.
<i>Lycopersicon esculentum</i> (tomato)	Brazil, Mexico	6	1		Pa., Tex.
<i>Solanum melongena</i> (eggplant)	Brazil		1		Md.
<i>Solanum</i> sp.	Paraguay			1	D. C.
<i>Neolobophora ruficeps</i> (Burm.) (Forficulidae):					
Orchid	Costa Rica			1	Fla.
<i>Nysius coenosulus</i> Stal (Lygaeidae):					
Airplane	Hawaii		1		Hawaii.
<i>Vanda</i> sp. (orchid)	do	1			Hawaii.
<i>Nysius simulans</i> Stal (Lygaeidae):					
<i>Stipa</i> sp.	Argentina			1	D. C.
<i>Odonaspis greeni</i> Ckll. (Coccidae):					
<i>Bambusa</i> sp. (bamboo)	Hawaii	1			Calif.*
<i>Oncometopia fowleri</i> Dist. (Cicadellidae):					
Palm	Mexico	1			Tex.
<i>Onthophagus taurus</i> (Schr.) (Scarabaeidae):					
<i>Ananas comosus</i> (pineapple)	Azores			1	N. Y.
<i>Orthezia praelonga</i> Dougl. (Coccidae):					
<i>Codiaeum</i> sp. (croton)	Unknown		1		N. Y.
<i>Orthezia selaginellae</i> Morr. (Coccidae):					
<i>Selaginella</i> sp.	Mexico			1	Tex.
<i>Orthotylus ericetorum</i> (Fall.) (Miridae):					
<i>Calluna vulgaris</i> (heather)	Scotland	1			Mass.
<i>Orycaenus bicolor</i> Fieber (Lygaeidae):					
Flowers—unidentified	Australia	1			Hawaii.
<i>Orydema fusiforme</i> Woll. (Curculionidae):					
Bulb—unidentified	Hawaii	1			Hawaii.
<i>Zingiber officinale</i> (ginger)	do	1			Hawaii.
<i>Orycaenus hyalinipennis</i> (Costa) (Lygaeidae):					
<i>Gossypium</i> sp. (cotton; boll)	Italian, Somaliland	1			N. Y.
<i>Orydema longulum</i> (Boh.) (Curculionidae):					
<i>Cordyline terminalis</i> (ti)	Hawaii	1			Hawaii.
<i>Strelitzia</i> sp.	do	1			Hawaii.
<i>Pachyzancla bipunctalis</i> (F.) (Pyraustidae):					
<i>Acalypha</i> sp. (?)	Brazil			1	P. R.
<i>Palaeopus costicollis</i> Mshll. (Curculionidae):					
<i>Dioscorea</i> sp. (yam)	Jamaica	1			Fla.*
<i>Pantomorus godmani</i> (Crotch) (Curculionidae):					
<i>Alpinia purpurata</i> (red ginger)	Hawaii	1			Hawaii.
<i>Cordyline terminalis</i> (ti)	do	1			Hawaii.
<i>Heliconia</i> sp.	do	1			Hawaii.
Orchid	do	1			Hawaii.
<i>Paraleyrodes citri</i> (Bondar) (?) (Aleyrodidae):					
Palm	Mexico	1			Tex.
<i>Paraleyrodes goyabae</i> (Goeldi) (?) (Aleyrodidae):					
<i>Psidium</i> sp., prob. <i>guajava</i>	do			1	Ariz.
<i>Parallelodiplosis cattleyae</i> Moll. (?) (Itonididae):					
Orchid	Jamaica			1	Fla.
<i>Paraputo taraktogoni</i> Rao (Coccidae):					
<i>Curcuma amada</i>	India			1	Hawaii.
<i>Parlatoria camelliae</i> Comst. (Coccidae):					
<i>Camellia japonica</i> (camellia)	Japan	1		1	Hawaii.
<i>Camellia</i> sp.	Japan, Portugal			7	Calif.*, Hawaii, N. J.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i>	Mexico	1			Calif.*
<i>Citrus aurantifolia</i> (sour lime)	Argentina, Mexico		3		Calif.*, Hawaii.
<i>Citrus paradisi</i> (grapefruit)	Argentina, Cuba, Grenada, Trinidad.		4		Calif.*, Fla.*, St. Thomas & St. John.
<i>Citrus sinensis</i> (orange)	Argentina, Israel, Italy		5		Calif.*, Fla.*
<i>Parlatoria crotonis</i> Dougl. (Coccidae):					
<i>Codiaeum</i> sp. (croton)	Cuba	1			Fla.*
<i>Parlatoria oleae</i> (Colvee) (Coccidae):					
<i>Diospyros</i> sp. (persimmon)	Italy	1			N. Y.
<i>Malus sylvestris</i> (apple)	Egypt, Greece, Italy	4	1		La., N. Y.
<i>Olea europaea</i> (olive)	Spain			1	N. J.
<i>Prunus domestica</i> (plum)	Portugal		1		Mass.
<i>Rhus</i> sp. (sumac)	Italy			1	D. C.
<i>Sorbus</i> sp. (sorbe apple)	Greece	1			N. Y.



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<i>Parlatoria pseudaspidiotus</i> Ldgr. (Coccidae):					
Orchid	Sumatra		1		Mass.
<i>Vanda</i> sp. (orchid)	Hawaii, Thailand	2		1	Hawaii, N. J.
<i>Parlatoria pyri</i> Marl. (Coccidae):					
<i>Acer</i> sp. (maple)	Japan			1	Calif.*
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus grandis</i> (pummelo)	Formosa		1		Calif.*
<i>Citrus limon</i> (lemon)	Algeria, Italy, Morocco, Philippines.		10		Calif.*, Ha-
<i>Citrus reticulata</i> (Mandarin orange)	Algeria, China, Japan	2	1		Calif.*, Ha-
<i>Citrus sinensis</i> (orange)	Italy, Morocco, Panama, Spain.		6		Calif.*, Pa.
<i>Pealius hibisci</i> (Kot.) (Aleyrodidae):					
<i>Gardenia</i> sp.	Hawaii	1			Calif.*
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium</i> sp. (cotton)	Japan	6			Calif.*, Wash.
<i>Gossypium</i> sp. (cotton; boll)	Hawaii, Mexico	4	2		Hawaii, Tex.
<i>Gossypium</i> sp. (cotton; lint)	Mexico	1			Tex.
<i>Gossypium</i> sp. (cotton; lock)	do	1			Tex.
<i>Gossypium</i> sp. (cottonseed)	American Virgin Islands, Anglo-Egyptian Sudan, Argentina, Brazil, Hawaii, India, Italian Somaliland, Italy, Mexico, Puerto Rico, Turkey.	15	2	6	Ala., D. C., Hawaii, Nebr., N. Y., Pa., S. C., Tex.
<i>Gossypium</i> sp. (cotton; squares)	Mexico	1			Tex.
<i>Gossypium</i> sp. (seed cotton)	Antigua, Mexico	32	6	1	Mich., Tex.
<i>Hibiscus esculentus</i> (okra)	Haiti, Mexico, Trinidad, Turkey.	7			La., Mass., N. Y., Tex.
Railway car	Mexico		1		Tex.
Truck bed	do		5		Tex.
<i>Perkinsiella vitiensis</i> Kirk (Delphacidae):					
Airplane	Fiji Islands		2		Hawaii.
<i>Phassus excrescens</i> Btlr. (?) (Hepialidae):					
<i>Paeonia suffruticosa</i> (tree pcony)	Japan			1	Calif.*
<i>Pheidole megacephala</i> (F.) (Formicidae):					
<i>Acalypha wilkesiana</i> (painted copperleaf)	Hawaii	1			Hawaii.
<i>Ananas comosus</i> (pineapple)	Cape Verde Islands, Cuba, Hawaii.	2	1		Hawaii, N. Y., Pa.
<i>Capsicum frutescens</i> (pepper)	Union of South Africa		1		Pa.
<i>Epidendrum</i> sp. (orchid)	Dominican Republic			1	N. J.
<i>Gladiolus</i> sp.	Bermuda	1			N. Y.
<i>Hibiscus esculentus</i> (okra)	Cuba	1			La.
<i>Hibiscus</i> sp.	Bermuda, Hawaii	6		1	Hawaii, N. Y.
<i>Lansium domesticum</i> (lanzon)	Philippines	1			Hawaii.
<i>Leonotis microphylla</i>	Transvaal			1	D. C.
<i>Lilium</i> spp. (lily)	Bermuda			1	N. Y.
Orchid	Brazil, Hawaii	1		1	Hawaii, N. J.
<i>Polianthes tuberosa</i> (tuberose)	Bermuda	1			N. Y.
<i>Schomburgkia</i> sp.	Honduras			1	Fla.
Tree seed	Dominica			1	P. R.
<i>Vanda</i> sp. (orchid)	Hawaii	1			Hawaii.
<i>Zingiber officinale</i> (ginger)	do	3			Hawaii.
<i>Phenacaspis aucubae</i> Cooley (Coccidae):					
<i>Diospyros</i> sp.	Korea			1	Calif.*
<i>Phenacaspis sandwicensis</i> Full. (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Hawaii	4			Calif.*, Hawaii.
<i>Mangifera indica</i> (mango)	do	1			Hawaii.
<i>Strelitzia reginae</i> (bird-of-paradise-flower)	do	2			Hawaii.
<i>Terminalia catappa</i> (tropical almond)	do	1			Hawaii.
<i>Phenacoccus fujicola</i> Kuw. (Coccidae):					
<i>Wisteria</i> sp.	Japan			1	Wash.
<i>Phlyctaenia ferrugalis</i> (Hbn.) (Pyraustidae):					
<i>Allium porrum</i> (leek)	Belgium		1		Calif.*
<i>Phlyctinus callosus</i> Boh. (Curculionidae):					
<i>Vitis</i> sp. (grape)	Union of South Africa	7			N. Y.

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<i>Phorodon menthae</i> Buckt. (Aphidae):					
<i>Mentha spicata</i> (spearmint)	Australia		1		Hawaii.
<i>Phyllotreta atra</i> (F.) (Chrysomelidae):					
<i>Brassica oleracea capitata</i> (cabbage)	France		1		Va.
<i>Phyllotreta consobrina</i> (Curt.) (Chrysomelidae):					
<i>Brassica oleracea capitata</i> (cabbage)	do		1		Va.
<i>Phyllotreta nigripes</i> (F.) (Chrysomelidae):					
<i>Rorippa nasturtium-aquaticum</i> (watercress)	do		1		N. Y.
<i>Phyllotreta undulata</i> Kutsch (Chrysomelidae):					
<i>Brassica oleracea capitata</i> (cabbage)	do		1		Va.
<i>Phytomyza atricornis</i> Meig. (?) (Agromyzidae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	Belgium, Denmark, England, Netherlands, Portugal.		9		Pa., Tex.
<i>Brassica oleracea capitata</i> (cabbage)	England		7		Tex.
<i>Piezodorus lituratus</i> (F.) (Pentatomidae):					
<i>Laurus nobilis</i> (grecian laurel)	Italy			1	N. Y.
<i>Pinnaspis buxi</i> (Bouche) (Coccidae):					
Araceae	Panama			1	Calif.*
<i>Cocos nucifera</i> (coconut)	Ecuador, Mexico	1	1		Calif.*
<i>Cordyline terminalis</i> (ti)	Hawaii	1			Hawaii.
<i>Dracaena</i> sp.	Panama			1	N. J.
<i>Nipa</i> sp. (palm)	British Guiana			1	Fla.
Palm	Cuba	1			Tex.
<i>Philodendron</i> sp.	Hawaii	1			Hawaii.
<i>Strelitzia</i> sp.	Trinidad			1	N. Y.
<i>Pinnaspis exercitata</i> (Green) (Coccidae):					
<i>Bulbophyllum leopardinum</i>	India			1	N. J.
<i>Pinnaspis uniloba</i> (Kuw.) (Coccidae):					
<i>Alyxia olivaeformis</i> (maile)	Hawaii	3			Calif.*, Hawaii.
<i>Pityogenes bidentatus</i> (Hbst.) (Scolytidae):					
<i>Pinus</i> sp. (pine)	Germany	1			Ala.
<i>Pityogenes chalcographus</i> (L.) (Scolytidae):					
<i>Picea</i> sp. (spruce)	Sweden	1			N. Y.
<i>Pinus</i> sp. (pine)	Germany	1			La.
<i>Platoceticus symmicta</i> Dyar (Psychidae):					
<i>Ananas comosus</i> (pineapple)	Mexico	1			Tex.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Capsicum frutescens</i> (pepper)	do	1			Calif.*
<i>Lycopersicon esculentum</i> (tomato)	do	4			Tex.
<i>Plautia brunneipennis</i> (Montrz.) (Pentatomidae):					
<i>Cymbidium</i> sp. (orchid)	Australia	1			Hawaii.
<i>Pogonocherus hispidulus</i> (Piller & Mitterpacher) (Cerambycidae):					
Wooden crate	Sweden	1			Wash.
<i>Poliaspis pini</i> Mask, (Coccidae):					
<i>Pinus</i> sp. (2-leaved pine)	Japan			1	Calif.*
<i>Polychrosis botrana</i> (Schiff.) (Olethreutidae):					
<i>Vitis</i> sp. (grape)	Germany, Italy	2			N. Y.
<i>Porotermes quadricollis</i> (Rambur) (Hodotermitidae):					
<i>Prunus domestica</i> (plum)	Chile	1			N. Y.
<i>Prays oleellus</i> (F.) (Hyponomeutidae):					
<i>Olea europaea</i> (olive)	Italy	1			N. Y.
<i>Prodenia ornithogalli</i> Guen. (Phalaenidae):					
<i>Hyacinthus</i> sp. (hyacinth)	Bermuda	1			N. Y.
<i>Lilium</i> sp. (lily)	do	1			N. Y.
<i>Scabiosa</i> sp.	do	1			Mass.
<i>Protaetia fusca</i> (Hbst.) (Scarabaeidae):					
Airplane	Hawaii		10		Hawaii.
Flowers—unidentified	do	2			Calif.*, Hawaii.
<i>Gardenia augusta</i> (gardenia)	do	1			Hawaii.
<i>Heliconia</i> sp.	do	1			Hawaii.
<i>Monstera</i> sp.	do	1			Hawaii.
<i>Protaetia orientalis</i> (Gory & Perch.) (Scarabaeidae):					
Airplane	Japan		1		Hawaii.
<i>Protopulvinaria longivalvata</i> Green (Coccidae):					
<i>Gardenia augusta</i> (gardenia)	Cuba, Guatemala, Trinidad.	3			Calif.*, N. Y.
<i>Pseudaonidia clavigera</i> (Ckll.) Coccidae):					
<i>Camellia</i> sp.	Formosa			1	D. C.



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<i>Pseudaonidia trilobitiformis</i> (Green) (Coccidae):					
<i>Ficus</i> sp.-----	Colombia-----	1	-----	-----	Fla.*
<i>Nerium oleander</i> (oleander)-----	do-----	1	-----	-----	Fla.*
Orchid-----	Canal Zone, Colombia--	1	-----	1	Fla., Fla.*
<i>Pseudaspidopectus fulleri</i> (Ckll.) (Coccidae):					
<i>Andropogon spathiflorus</i> -----	Union of South Africa--	-----	-----	1	D. C.
<i>Pseudischnaspis alienus</i> (Newst.) (Coccidae):					
<i>Cattleya</i> sp. (orchid)-----	Honduras, Venezuela--	-----	-----	2	Fla., N. J.
<i>Oncidium</i> sp. (orchid)-----	Guatemala-----	-----	-----	1	N. J.
Orchid-----	British Honduras, Canal Zone, Panama, Salvador.	-----	-----	6	Calif.*, Fla., N. J., Tex.
<i>Pseudischnaspis longissima</i> (Ckll.) (Coccidae):					
<i>Persea</i> var-----	Costa Rica-----	-----	-----	1	Calif.*
<i>Pseudococcus boninsis</i> (Kuw.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane)-----	Mexico-----	1	-----	-----	Calif.*
<i>Pseudococcus gahani</i> Green (Coccidae):					
<i>Rhododendron</i> sp-----	France-----	-----	-----	1	N. Y.
<i>Rosa</i> sp-----	Australia-----	1	-----	-----	Hawaii.
<i>Pseudococcus kraunhiae</i> (Kuw.) (Coccidae):					
<i>Diospyros</i> sp. (persimmon)-----	Japan-----	2	-----	-----	Hawaii.
<i>Pseudococcus lilacinus</i> Ckll. (Coccidae):					
<i>Mangifera indica</i> (mango)-----	Guam-----	1	-----	-----	Minn.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Hawaii-----	5	-----	-----	Hawaii.
<i>Pseudococcus pini</i> (Kuw.) (Coccidae):					
<i>Pinus</i> sp. (5-leaved pine)-----	Japan-----	-----	-----	1	Hawaii.
<i>Pinus</i> sp.-----	do-----	-----	-----	1	N. Y.
<i>Pseudococcus saipanensis</i> Shir. (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Guam-----	1	-----	1	Hawaii.
<i>Pseudoparlatoria ostreata</i> (Ckll.) (Coccidae):					
<i>Carica papaya</i> (papaya)-----	Sierra Leone-----	-----	1	-----	Pa.
<i>Pseudoparlatoria punctata</i> Ferris (Coccidae):					
<i>Camellia</i> sp-----	Mexico-----	1	-----	-----	Calif.*
<i>Pseudothrips glaucus</i> Bagn. (Thripidae):					
Flowers—mixed-----	Union of South Africa--	1	-----	-----	N. Y.
<i>Psylliodes chrysocephala</i> (L.) (Chrysomelidae):					
<i>Brassica rapa</i> (turnip)-----	France-----	-----	1	-----	N. Y.
<i>Ptinus tectus</i> Boield. (Ptilidae):					
<i>Gossypium</i> sp. (cottonseed)-----	Argentina-----	1	-----	-----	Wash.
<i>Ptochoryctis tsugensis</i> Meart. (?) (Xyloryctidae):					
<i>Pinus</i> sp. (5-leaved pine)-----	Japan-----	-----	-----	1	Hawaii.
<i>Pulvinaria psidii</i> (Mask.) (Coccidae):					
<i>Alpinia</i> sp. (red ginger)-----	Hawaii-----	5	-----	-----	Hawaii.
<i>Anthurium</i> sp-----	do-----	1	-----	-----	Hawaii.
<i>Clusia rosea</i> (copey clusia)-----	do-----	1	-----	-----	Hawaii.
<i>Gardenia augusta</i> (gardenia)-----	do-----	5	-----	-----	Hawaii.
<i>Ixora coccinea</i> -----	Australia-----	-----	-----	1	Hawaii.
<i>Litchi chinensis</i> (lychee)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Mussaenda</i> sp-----	Philippines-----	-----	-----	1	Calif.*
Plant—unknown-----	Antigua-----	1	-----	-----	St. Croix.
<i>Puto ulter</i> Ferris (Coccidae):					
<i>Brassia</i> sp. (orchid)-----	Guatemala-----	-----	-----	1	Tex.
<i>Lycaste cruenta</i> (orchid)-----	do-----	-----	-----	1	Calif.*
<i>Lycaste skinneri</i> (orchid)-----	do-----	-----	-----	1	Calif.*
<i>Odontoglossum grande</i> (orchid)-----	do-----	-----	-----	1	Tex.
Orchid-----	do-----	-----	-----	2	Tex., Wash.
<i>Pyrausta nubilalis</i> (Hbn.) (Pyraustidae):					
<i>Capsicum frutescens</i> (pepper)-----	Italy-----	-----	1	-----	Pa.
<i>Phaseolus vulgaris</i> var. (string bean)-----	Japan-----	-----	12	-----	Calif.*, Oreg., Wash.
<i>Sorghum vulgare technicum</i> (broomcorn)-----	Italy-----	3	-----	-----	Mass., N. Y.
<i>Rhagoletis cerasi</i> (L.) (Tephritidae):					
<i>Prunus</i> sp. (cherry)-----	France, Germany, Italy, Netherlands, Portu- gal.	8	12	-----	Mass., N. Y.
<i>Rhagoletis cerasi</i> (L.) (?) (Tephritidae):					
<i>Prunus</i> sp. (cherry)-----	Italy-----	4	-----	-----	Mass.
<i>Rhagoletis pomonella</i> (Walsh) (Tephritidae):					
<i>Crataegus</i> sp. (thornapple)-----	Mexico-----	1	-----	-----	Tex.
<i>Malus sylvestris</i> (apple)-----	do-----	8	1	-----	N. Y., Tex.
<i>Rhagoletis pomonella</i> (Walsh.) (?) (Tephritidae):					
<i>Malus sylvestris</i> (apple)-----	do-----	1	-----	-----	Tex.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Rhynchaenus fagi</i> (L.) (Curculionidae): Soil with lemon and orange trees	Italy			1	N. Y.
<i>Rhynchaenus populi</i> (F.) (Curculionidae): <i>Syringa</i> sp. (lilac)	Netherlands	1			N. Y.
<i>Ribua innoxia</i> Hein. (Phycitidae): <i>Ananas comosus</i> (pineapple)	Cuba	9			N. Y.
<i>Schwiebea talpa</i> Oudms. (Acaridae): <i>Convallaria majalis</i> (lily-of-the-valley)	Denmark			1	N. Y.
<i>Scotinophara lurida</i> (Burm.) (Pentatomidae): <i>Oryza sativa</i> (rice)	Japan	1			Hawaii.
<i>Selenaspilus portulacariae</i> Hall (Coccidae): <i>Portulacaria afra</i>	Union of South Africa			1	D. C.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae): <i>Cola acuminata</i> (kola)	Jamaica			1	N. J.
<i>Sesamia cretica</i> Led. (Phalaenidae): <i>Sorghum vulgare technicum</i> (broomcorn)	France, Greece, Italy, Turkey.	13			Md., Mass., N. Y.
<i>Sinoxylon anale</i> Lesne (Bostrichidae): Wood	India	1			N. Y.
<i>Sinoxylon conigerum</i> Gerst. (Bostrichidae): Airplane	Hawaii		1		Hawaii.
<i>Samanea saman</i> (monkey pod)	do	2			Hawaii.
Wooden crate	India	26			Calif.*
Wooden tray	Haiti	1			Fla.
<i>Siphanta acuta</i> (Walk.) (Flatidae): <i>Alpinia</i> sp. (red ginger)	Hawaii	1			Hawaii.
<i>Anthurium</i> sp.	do	1			Hawaii.
<i>Sisamnes contractus</i> Dist. (Lygaeidae): <i>Ananas comosus</i> (pineapple)	Mexico	2			Tex.
<i>Sitona lineata</i> (L.) (Curculionidae): <i>Convallaria majalis</i> (lily-of-the-valley)	Denmark			1	Calif.*
<i>Phlox</i> sp.	Netherlands			1	Wash.
<i>Rhododendron</i> sp. (azalea)	do			1	Wash.
<i>Sireonotus luteiceps</i> (Reuter) (Miridae): Cactus	Mexico			1	Tex.
<i>Mammillaria</i> sp. (cactus)	do			3	Tex.
<i>Specularius impressothorax</i> (Pic) (Bruchidae): <i>Erythrina constantiana</i>	Union of South Africa			1	Calif.*
<i>Erythrina</i> sp.	Angola			1	D. C.
<i>Stenoma anonella</i> (Sepp) (Stenomidae): <i>Annona muricata</i> (soursop)	Ecuador, Nicaragua		3		Fla.*, S. C.
<i>Stenoma catenifer</i> Wlsm. (Stenomidae): <i>Persea americana</i> (avocado)	Brazil, Canal Zone, Colombia, Ecuador, Mexico.	10	7	1	Calif.*, N. Y., Tex.
<i>Stenotrupis marshalli</i> Zimm. (?) (Curculionidae): <i>Cocos nucifera</i> (coconut)	Fiji			1	Hawaii.
<i>Stephanitis oberti</i> (Kolenati) (Tingidae): <i>Gaylussacia</i> sp. (huckleberry)	Sweden			1	N. Y.
<i>Stephanitis pyrioides</i> (Scott) (Tingidae): <i>Rhododendron</i> sp. (azalea)	Japan			1	Calif.*
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae): <i>Coffea arabica</i> (Arabian coffee)	Belgian Congo, Brazil			3	D. C.
<i>Coffea congestis</i>	Belgian Congo, Indonesia.			2	D. C.
<i>Coffea</i> sp.	Unknown			1	D. C.
<i>Sternochetus mangiferae</i> (F.) (Curculionidae): <i>Mangifera indica</i> (mango)	Hawaii, India, Tahiti, Thailand.	32	3	4	Calif.*, Guam, Hawaii, N. Y., Va.
<i>Sybra alternana</i> (Wied.) (Cerambycidae): <i>Operculina tuberosa</i> (wood-rose)	Hawaii	1			Hawaii.
<i>Syritta oceanica</i> Macq. (Syrphidae): Airplane	do		1		Hawaii.
<i>Dracaena sanderiana</i>	do	1			Hawaii.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae): Airplane	Canada		1		Wash.
<i>Antirrhinum majus</i> (snapdragon)	Germany	1			Mass.
<i>Apium graveolens</i> (celery)	do		1		Pa.
<i>Calluna vulgaris</i> (heather)	Scotland	4			Mass., N. Y.
<i>Chrysanthemum</i> sp.	Denmark	1			N. Y.
<i>Dahlia</i> sp.	Azores, Sweden	2			Mass., N. Y.



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<i>Taeniothrips atratus</i> —Continued					
<i>Dianthus</i> sp. (carnation)-----	Germany, Netherlands, Scotland, unknown.	5	1		N. Y.
Flowers—mixed-----	Germany, Ireland	2			Mass., N. Y.
<i>Gladiolus</i> sp-----	Germany, Scotland, unknown.	3	2		N. Y.
<i>Lactuca sativa</i> (lettuce)-----	England		2		N. Y., Pa.
<i>Lathyrus odoratus</i> (sweetpea)-----	Ireland, Scotland	2			Mass., N. Y.
<i>Leontopodium alpinum</i> (edelweiss)-----	Switzerland	1			D. C.
<i>Rosa</i> sp-----	Germany	1			N. Y.
<i>Zinnia</i> sp-----	do	1			N. Y.
<i>Taeniothrips dianthi</i> Pr. (Thripidae):					
<i>Dianthus</i> sp. (carnation)-----	Greece, unknown	1	1		Mass.
Plants—mixed-----	Cuba			1	N. Y.
<i>Taeniothrips distalis</i> Ky. (Thripidae):					
<i>Chrysanthemum</i> sp-----	Japan		1		Hawaii.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather)-----	England, Germany, Ireland, Scotland.	4	1		N. Y.
Soil and moss with heather-----	Scotland			1	Mass.
<i>Taeniothrips gracilis</i> Mlt. (Thripidae):					
Daisy-----	Bermuda	1			N. Y.
<i>Gerbera</i> sp-----	do	1			N. Y.
<i>Hibiscus</i> sp-----	do	1			N. Y.
<i>Lathyrus odoratus</i> (sweetpea)-----	do	2			N. Y.
<i>Lilium</i> sp-----	China			1	Hawaii.
<i>Narcissus</i> sp-----	do			2	Do.
<i>Viola</i> sp. (violet)-----	Bermuda	1			N. Y.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae):					
<i>Cananga odorata</i> (ilang-ilang)-----	Philippines		1		Hawaii.
<i>Cocos nucifera</i> (coconut)-----	Hawaii	1			Hawaii.
<i>Cordyline terminalis</i> (ti)-----	do	1			Hawaii.
<i>Gardenia augusta</i> (gardenia)-----	do	20			Hawaii.
<i>Gladiolus</i> sp-----	Japan	1			Hawaii.
<i>Plumeria</i> sp-----	Hawaii	3			Hawaii.
<i>Polianthes tuberosa</i> (tuberose)-----	do	1			Hawaii.
<i>Vanda</i> sp. (orchid)-----	do	1			Hawaii.
<i>Taeniothrips picipes</i> (Zett.) (Thripidae):					
<i>Primula</i> spp-----	England	1			N. J.
<i>Taeniothrips vitticornis</i> (Ky.) (Thripidae):					
<i>Canavalia</i> sp-----	Hawaii	1			Hawaii.
<i>Gardenia augusta</i> (gardenia)-----	do	1			Hawaii.
<i>Taeniothrips vulgatissimus</i> (Hal.) (Thripidae):					
Airplane-----	Canada		1		Wash.
<i>Calluna vulgaris</i> (heather)-----	Germany	1			N. Y.
<i>Dianthus</i> sp. (carnation)-----	Scotland, unknown	1	1		N. Y.
Flowers—mixed-----	Ireland	1			Mass.
<i>Gladiolus</i> sp-----	Unknown		1		N. Y.
<i>Lathyrus odoratus</i> (sweetpea)-----	Ireland, Scotland	2			Mass., N. Y.
<i>Lathyrus</i> sp-----	England	1			N. Y.
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya)-----	Mexico	1			Tex.
" <i>Targionia</i> " <i>bromiliae</i> (Leon) (Coccidae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico, Salvador	8			Calif.*, Tex.
" <i>Targionia</i> " <i>hartii</i> (Ckll.) (Coccidae):					
<i>Dioscorea</i> sp. (yam)-----	Antigua, Barbados, Jost Van Dykes, Nevis, St. Martin, Tortola.	8	1		Ill., Mass., N. Y., St. Thomas, & St. John.
<i>Targionia laurina</i> Ldgr. (Coccidae):					
Leaf—unidentified-----	Madeira Islands	1			Mass.
" <i>Targionia</i> " <i>sacchari</i> (Ckll.) (Coccidae):					
<i>Canna edulis</i> (edible canna)-----	Trinidad			1	Calif.*
<i>Saccharum officinarum</i> (sugarcane)-----	Liberia, Puerto Rico	2			Mass., Pa.
<i>Tenthecoris angustimarginatus</i> Hsiao & Sailer (Miridae):					
Orchid-----	Mexico			6	Tex.
<i>Tenthecoris bicolor</i> Scott (Miridae):					
Orchid-----	Guatemala, Mexico			5	Fla., Tex.
<i>Tenthecoris confusus</i> Hsiao & Sailer (Miridae):					
Orchid-----	Mexico			16	Tex.

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<i>Tenthecoris distinguendus</i> Hsiao & Sailer (Miridae): Orchid	Salvador			1	Fla.
<i>Tenthecoris vestitus</i> (Dist.) (Miridae): <i>Oncidium cavendishianum</i> (orchid)	Guatemala			1	Calif.*
Orchid	Guatemala, Mexico			2	Tex.
<i>Tetraleurodes acaciae</i> (Q.) (Aleyrodidae): <i>Gliricidia sepium</i>	Venezuela			1	Ga.
Leaf—unidentified	Mexico	1			Tex.
<i>Prosopis</i> sp. (mesquite)	do	1			Ariz.
<i>Tetraleurodes ursorum</i> (Ckll.) (Aleyrodidae): <i>Citrus aurantifolia</i> (sour lime)	do	1			Tex.
<i>Schinus molle</i> (California pepper tree)	do	1			Tex.
<i>Thrips angusticeps</i> Uzel (Thripidae): <i>Anemone</i> sp.	Greece	1			Pa.
<i>Lactuca sativa</i> (lettuce)	Denmark, England		5		N. Y., Pa., S. C.
<i>Rosa</i> sp. (rose)	Greece	1			Mass.
<i>Thrips flavus</i> Schrank (Thripidae): <i>Acacia</i> sp.	France			1	Mass.
<i>Calluna vulgaris</i> (heather)	Germany, Scotland	3			N. Y.
<i>Calluna</i> sp.	Scotland	1			N. J.
<i>Dahlia</i> sp.	Azores, Germany	2			Mass., N. Y.
<i>Dianthus</i> sp. (carnation)	Unknown		1		N. Y.
<i>Gladiolus</i> sp.	Germany, Israel, Scotland.	3			N. Y.
<i>Gypsophila</i> spp.	Ireland	1			N. Y.
<i>Lathyrus odoratus</i> (sweetpea)	do	1			Mass.
<i>Rosa</i> sp. (rose)	England, Germany	2			N. Y.
<i>Syringa</i> sp. (lilac)	Germany	1			N. Y.
<i>Zinnia</i> sp.	do	1			N. Y.
<i>Thrips major</i> Uzel (Thripidae): <i>Anemone</i> sp.	Unknown		1		N. Y.
<i>Calluna vulgaris</i> (heather)	Germany, Ireland, Scotland.	3			N. Y.
<i>Chrysanthemum</i> sp.	Denmark	1			N. Y.
<i>Dianthus</i> sp. (carnation)	Scotland	1			N. Y.
<i>Helianthus</i> sp. (sunflower)	Germany	1			N. Y.
<i>Lathyrus odoratus</i> (sweetpea)	Ireland	1			Mass.
<i>Rosa</i> sp. (rose)	do			1	N. Y.
<i>Syringa</i> sp. (lilac)	Germany	1			N. Y.
<i>Thrips nigropilosus</i> Uzel (Thripidae): <i>Dahlia</i> sp.	Sweden	1			N. Y.
Flowers—mixed	Japan	1			Wash.
<i>Gypsophila</i> spp.	Ireland	1			N. Y.
<i>Tortrix excessana</i> (Walk.) (Tortricidae): <i>Malus sylvestris</i> (apple)	New Zealand	2			N. Y.
<i>Tortrix postvittana</i> (Walk.) (Tortricidae): <i>Malus sylvestris</i>	do	1			N. Y.
<i>Toxotrypana curvicauda</i> Gerst. (Tephritidae): <i>Carcia papaya</i> (papaya)	Mexico, Panama, Trinidad.	3	1		Ala., Fla.*, Tex.
<i>Trialeurodes lauri</i> (Sign.) (Aleyrodidae): <i>Laurus nobilis</i> (Grecian laurel)	Italy	1			Mass.
<i>Laurus</i> sp. (?)	do	1			Oreg.
<i>Tricentrus albomaculatus</i> Dist. (Membracidae): <i>Acalypha</i> sp.	Hawaii	2			Hawaii.
<i>Codiaeum</i> sp. (croton)	do	1			Hawaii.
<i>Trionymus lounsburyi</i> Brain (Coccidae): <i>Hymenocallis</i> sp. (spider lily)	do	1			Hawaii.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae): <i>Saccharum officinarum</i> (sugarcane)	Cuba, Mexico	4	1		Ariz., Fla.*, Tex.
<i>Saccharum</i> sp.	Cuba			1	D. C.
<i>Tuckerella pavoniformis</i> (Ewing) (Tuckerellidae): <i>Persea americana</i> (avocado)	Hawaii		1		Calif.*
<i>Tydeus granulosus</i> Can. (Tydeidae): <i>Syringa persica alba</i>	England			1	N. J.
<i>Tydeus interruptus</i> Thor. (Tydeidae): Straw jacket	France	1			Fla.*



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<i>Unaspis citri</i> (Comst.) (Coccidae):					
<i>Citrus aurantifolia</i> (sour lime)-----	British West Indies-----		1		Calif.*
<i>Citrus paradisi</i> (grapefruit)-----	Haiti-----		1		Fla.*
<i>Citrus sinensis</i> (orange)-----	British West Indies, Colombia, Trinidad.-----	1	2		Ala., Calif.*, Fla.*
<i>Citrus</i> sp-----	Colombia, Trinidad-----	1		1	Fla.*, N. J.
<i>Unaspis euonymi</i> (Comst.) (Coccidae):					
Leaf—unidentified-----	Mexico-----	1			Tex.
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus limon</i> (lemon)-----	Japan-----		7		Calif.*
<i>Citrus paradisi</i> (grapefruit)-----	do-----	1	6		Calif.*, Hawaii.
<i>Citrus reticulata</i> (Mandarin orange)-----	Japan, Philippines-----	6	42		Calif.*, Hawaii.
<i>Citrus sinensis</i> (orange)-----	Japan, Philippines, South Pacific (?).-----	2	48		Calif.*, Fla.*, Hawaii, Pa.
<i>Citrus</i> sp-----	Japan-----	1			Hawaii.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Brassia</i> sp. (orchid)-----	Canal Zone-----			1	Calif.*
<i>Broughtonia</i> sp-----	Jamaica-----			3	Fla.
<i>Cattleya</i> spp. (orchid)-----	Canal Zone-----			1	Calif.*
<i>Epidendrum</i> sp. (?) (orchid)-----	do-----			1	Calif.*
<i>Garcinia</i> sp-----	do-----			1	Fla.
Leaf—unidentified-----	Barbados-----	1			Mass.
<i>Lycaste</i> sp. (orchid)-----	Canal Zone, Panama-----			2	Calif.*, N. J.
<i>Oncidium quadripetalum</i> (orchid)-----	Jamaica-----			1	Hawaii.
Orchid-----	Canal Zone, Jamaica, Panama, Trinidad, Venezuela.-----			24	Calif.*, Fla., Hawaii, P. R., Va.
<i>Stanhopea</i> sp. (orchid)-----	Trinidad-----			2	Fla., N. J.
<i>Wachtliella ericina</i> (Loew) (?) (Itonididae):					
<i>Calluna vulgaris</i> (heather)-----	Scotland-----	1			Mass.
<i>Xyleborus morstatti</i> Haged. (Scolytidae):					
<i>Acer</i> sp-----	Japan-----			1	Hawaii.
<i>Xystrocera globosa</i> (Oliv.) (Cerambycidae):					
Airplane-----	Hawaii-----		1		Hawaii.
<i>Zetha chavesi</i> (Bol.) (Polyphagidae):					
Herb-----	Azores-----	1			Mass.

Host and Insects

ABRUS:	ALPINIA:
<i>Caryedon fuscus</i> (Coleoptera)	<i>Adoretus sinicus</i> (Coleoptera)
ACACIA:	<i>Aonidiella inornata</i> (Homoptera)
<i>Mimosestes dominicanus</i> (Coleoptera)	<i>Pantomorus godmani</i> (Coleoptera)
<i>Mimosestes sallaei</i> (Coleoptera)	<i>Pulvinaria psidii</i> (Homoptera)
<i>Thrips flavus</i> (Thysanoptera)	<i>Siphanta acuta</i> (Homoptera)
ACALYPHA:	ALSTONIA:
<i>Catorama herbarium</i> (Coleoptera)	<i>Coccus viridis</i> (Coleoptera)
<i>Pachyzancla bipunctalis</i> (Lepidoptera)	ALYXIA:
<i>Pheidole megacephala</i> (Hymenoptera)	<i>Coccus capparidis</i> (Homoptera)
<i>Tricentrus albomaculatus</i> (Homoptera)	<i>Pinnaspis uniloba</i> (Homoptera)
ACER:	ANACARDIUM:
<i>Parlatoria pyri</i> (Homoptera)	<i>Anastrepha mombinpraeoptans</i> (Diptera)
<i>Xyleborus morstatti</i> (Coleoptera)	ANANAS:
ACHRAS:	<i>Alpheias conspirata</i> (Lepidoptera)
<i>Anastrepha fraterculus</i> (?) (Diptera)	<i>Blissus leucopterus insularis</i> (Hemiptera)
<i>Anastrepha serpentina</i> (Diptera)	<i>Dolichotetranychus floridanus</i> (Acarina)
AGAVE:	<i>Iridomyrmex humilis</i> (Hymenoptera)
<i>Chrysomphalus agavis</i> (Homoptera)	<i>Ligyus ebenus</i> (Coleoptera)
<i>Helix aspersa</i> (Mollusca)	<i>Myocchrous carinatus</i> (Coleoptera)
ALLIUM CEPA:	<i>Onthophagus taurus</i> (Coleoptera)
<i>Glycyphagus domesticus</i> (Acarina)	<i>Pheidole megacephala</i> (Hymenoptera)
ALLIUM PORRUM:	<i>Platoeceticus symmicta</i> (Lepidoptera)
<i>Acrolepia assectella</i> (Lepidoptera)	<i>Ribua innoxia</i> (Lepidoptera)
<i>Phlyctaenia ferrugalis</i> (Lepidoptera)	<i>Sisamnes contractus</i> (Hemiptera)
ALLIUM SATIVUM:	" <i>Targionia</i> " <i>bromiliae</i> (Homoptera)
<i>Brachycerus albidentatus</i> (Coleoptera)	ANDROPOGON:
<i>Brachycerus algirus</i> (Coleoptera)	<i>Galgupha vinculata</i> (Hemiptera)
<i>Dyspessa ulula</i> (Lepidoptera)	<i>Pseudaspidoproctus fulleri</i> (Homoptera)



## Host and Insects—Continued

## ANEMONE:

- Thrips angusticeps* (Thysanoptera)
- Thrips major* (Thysanoptera)

## ANNONA:

- Amorbia emigratella* (Lepidoptera)
- Anastrepha ludens* (Diptera)
- Ceratitis capitata* (Diptera)
- Stenoma anonella* (Lepidoptera)
- Talponia batesi* (Lepidoptera)

## ANOIGANTHUS:

- Brithys pancratii* (Lepidoptera)

## ANTHURIUM:

- Adoretus sinicus* (Coleoptera)
- Bradybaena similis* (Mollusea)
- Ceroplastes rubens* (Homoptera)
- Chrysomphalus umboniferus* (Homoptera)
- Pulvinaria psidii* (Homoptera)
- Siphanta acuta* (Homoptera)

## ANTIGONON:

- Asterolecanium epidendri* (Homoptera)

## ANTIRRHINUM:

- Haplothrips gowdeyi* (Thysanoptera)
- Taeniothrips atratus* (Thysanoptera)

## APIUM:

- Anuraphis tulipae* (Homoptera)
- Bradybaena similis* (Mollusea)
- Cavariella capreae* (Homoptera)
- Deroceras reticulatum* (Mollusea)
- Taeniothrips atratus* (Thysanoptera)

## ARACEAE:

- Deroceras reticulatum* (Mollusea)
- Pinnaspis buri* (Homoptera)

## ARUNDINARIA:

- Brevipalpus pheoniceis* (Acarina)
- Leucaspis cockerelli* (Homoptera)

## ASPLENIUM:

- Ferrisia virgata* (Homoptera)

## ASTER:

- Capitophorus formosanus* (Homoptera)

## BAMBOO:

- Asterolecanium bambusae* (Homoptera)
- Asterolecanium miliaris miliaris* (Homoptera)
- Asterolecanium miliaris robustum* (Homoptera)
- Conarthrus vicinus* (Coleoptera)

## BAMBUSA:

- Asterolecanium bambusae* (Homoptera)
- Lepidosaphes vermiformis* (Homoptera)
- Odonaspis greeni* (Homoptera)

## BEAUCARNEA:

- Lepidosaphes philococcus* (Homoptera)

## BETA:

- Lixus junci* (Coleoptera)

## BETULA:

- Eriophyes leionctus* (Acarina)

## BILLBERGIA:

- Bradybaena similis* (Mollusea)

## BLIGHIA:

- Coccus viridis* (Homoptera)

## BRASSAVOLA:

- Furcaspis biformis* (Homoptera)

## BRASSIA:

- Furcaspis biformis* (Homoptera)
- Puto ulter* (Homoptera)
- Vinsonia stellifera* (Homoptera)

## BRASSICA OLERACEA BOTRYTIS:

- Barathra brassicae* (Lepidoptera)
- Phytomyza atricornis* (?) (Diptera)

## BRASSICA OLERACEA CAPITATA:

- Deroceras reticulatum* (Mollusea)
- Evergestis forficalis* (Lepidoptera)
- Evergestis rimosalis* (Lepidoptera)
- Limax marginatus* (Mollusea)
- Limax maximus* (Mollusea)
- Mamestra brassicae* (Lepidoptera)
- Phyllotreta atra* (Coleoptera)
- Phyllotreta consobrina* (Coleoptera)
- Phyllotreta undulata* (Coleoptera)
- Phytomyza atricornis* (?) (Diptera)

## BRASSICA RAPA:

- Listroderes costirostris obliquus* (Coleoptera)
- Mamestra brassicae* (Lepidoptera)
- Psylliodes chrysocephala* (Coleoptera)

## BRASSICA SP.:

- Diocalandra taitensis* (Coleoptera)

## BROMELIACEAE:

- Chrysomphalus umboniferus* (Homoptera)

## BROMUS:

- Frankliniella cestrum* (Thysanoptera)

## BROUGHTONIA:

- Vinsonia stellifera* (Homoptera)

## BRYOPHYLLUM:

- Monomorium destructor* (Hymenoptera)

## BULBOPHYLLUM:

- Pinnaspis exercitata* (Homoptera)

## BUXUS:

- Eriophyes canestrinii* (Acarina)

## CACTUS:

- Lepidosaphes philococcus* (Homoptera)
- Sireonotus luteiceps* (Hemiptera)

## CAESALPINIA:

- Mimosestes dominicanus* (Coleoptera)

## CAJANUS:

- Ancylostomia stercorea* (Lepidoptera)
- Callosobruchus maculatus* (Coleoptera)
- Neodryocoetes guianea* (Coleoptera)

## CALADIUM:

- Aleurotrachelus trachoides* (Homoptera)

## CALATHEA:

- Aspidiotus palmae* (Homoptera)

## CALLUNA:

- Ctenicera cupreus* (Coleoptera)
- Frankliniella intonsa* (Thysanoptera)
- Gelechia ericetella* (Lepidoptera)
- Micrelus ericae* (Coleoptera)
- Orthotylus ericetorum* (Hemiptera)
- Taeniothrips atratus* (Thysanoptera)
- Taeniothrips ericae* (Thysanoptera)
- Taeniothrips vulgatissimus* (Thysanoptera)
- Thrips flavus* (Thysanoptera)
- Thrips major* (Thysanoptera)
- Wachtliella ericina* (?) (Diptera)

## CALOPHYLLUM:

- Ceroplastes rubens* (Homoptera)

## CAMELLIA:

- Aspidiotus degeneratus* (Homoptera)
- Ceroplastes rubens* (Homoptera)
- Parlatoria camelliae* (Homoptera)
- Pseudaonidia clavigera* (Homoptera)
- Pseudoparlatoria punctata* (Homoptera)

## CANANGA:

- Taeniothrips hawaiiensis* (Thysanoptera)

## CANAVALLA:

- Lampides boeticus* (Lepidoptera)
- Maruca testulalis* (Lepidoptera)
- Taeniothrips vitticornis* (Thysanoptera)

## CANNA:

- "Targionia" sacchari* (Homoptera)

## CAPSICUM:

- Ceratitis capitata* (?) (Diptera)
- Dacus cucurbitae* (Diptera)
- Gnorimoschema borsaniella* (?) (Lepidoptera)
- Gnorimoschema gudmannella* (Lepidoptera)
- Neoleucinodes elegantalis* (Lepidoptera)
- Pheidole megacephala* (Hymenoptera)
- Platynota rostrana* (Lepidoptera)
- Pyrausta nubilalis* (Lepidoptera)

## CARICA:

- Pseudoparlatoria ostreata* (Homoptera)
- Toxotrypana curvicauda* (Diptera)

## CASIMIROA:

- Anastrepha ludens* (Diptera)

## CASSIA:

- Aganectesis indecora* (Lepidoptera)
- Caryedon fuscus* (Coleoptera)

## CASTANEA:

- Curculio elephas* (Coleoptera)
- Laspeyresia splendana* (Lepidoptera)

## CATTLEA:

- Chrysomphalus tenax* (Homoptera)
- Eurytoma orchidcarum* (Hymenoptera)
- Furcaspis biformis* (Homoptera)
- Pseudischnaspis alienus* (Homoptera)
- Vinsonia stellifera* (Homoptera)

## CELTIS:

- Aspidiotus pectinatus* (tentative) (Homoptera)

## CENTAUREA:

- Haplothrips gowdeyi* (Thysanoptera)

## CHAENOMELES:

- Anisolabis marginalis* (Orthoptera)
- Ceroplastes ceriferus* (Homoptera)
- Lepidosaphes machili* (Homoptera)
- Limax marginatus* (Mollusea)

## CHAMAECYPARIS:

- Aspidiotus pseudomcyeri* (tentative) (Homoptera)
- Lepidosaphes newsteadi* (Homoptera)



*Host and Insects—Continued*

## CHAMAEDOREA:

- Asterolecanium epidendri* (Homoptera)  
*Asterolecanium inlabefactum* (Homoptera)  
*Chrysomphalus sphaeroides* (Homoptera)

## CHRYSANTHEMUM:

- Capitophorus formosanus* (Homoptera)  
*Frankliniella formosae* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Macroductylus mexicanus* (Coleoptera)  
*Microcephalothrips abdominalis* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips distalis* (Thysanoptera)  
*Thrips major* Uzel (Thysanoptera)

## CISTUS:

- Adoxophyes orana* (Lepidoptera)  
*Macroplox fasciata* (Hemiptera)

## CITRUS AURANTIFOLIA:

- Aleurocanthus woglumi* (Homoptera)  
*Aleurothrixus floccosus* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Coccus viridis* (Homoptera)  
*Leucaspis cockerelli* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*Tetraleurodes ursorum* (Homoptera)  
*Unaspis citri* (Homoptera)

## CITRUS AURANTIUM:

- Anastrepha ludens* (Diptera)

## CITRUS GRANDIS:

- Cryptophlebia leucotreta* (Lepidoptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria zizyphus* (Homoptera)

## CITRUS LIMON:

- Aonidiella inornata* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Coccus viridis* (Homoptera)  
*Leucaspis cockerelli* (Homoptera)  
*Parlatoria zizyphus* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## CITRUS MEDICA:

- Anastrepha ludens* (Diptera)

## CITRUS PARADISI:

- Aleurocanthus woglumi* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Anastrepha mombinpraeoptans* (Diptera)  
*Anastrepha parallela* (?) (Diptera)  
*Anastrepha suspensa* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Cryptophlebia leucotreta* (Lepidoptera)  
*Leucaspis cockerelli* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*Unaspis citri* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## CITRUS RETICULATA:

- Aleurocanthus woglumi* (Homoptera)  
*Aonidiella citrina* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Parlatoria zizyphus* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## CITRUS SINENSIS:

- Aleurocanthus woglumi* (Homoptera)  
*Aleurothrixus floccosus* (Homoptera)  
*Anastrepha fraterculus* (Diptera)  
*Anastrepha ludens* (Diptera)  
*Anastrepha serpentina* (Diptera)  
*Aonidiella citrina* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Ceroplastes rubens* (Homoptera)  
*Chrysomphalus albopictus* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Cryptophlebia leucotreta* (Lepidoptera)  
*Dialeurodes citri* (Homoptera)  
*Gymnandrosoma aurantianum* (Lepidoptera)  
*Leucaspis cockerelli* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*Parlatoria zizyphus* (Homoptera)  
*Unaspis citri* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## CITRUS SP.:

- Aleurocanthus woglumi* (Homoptera)  
*Dialeurodes citrifolii* (Homoptera)  
*Ferrisia virgata* (Homoptera)  
*Unaspis citri* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## CLUSIA:

- Pulvinaria psidii* (Homoptera)

## COCOS:

- Aonidiella inornata* (Homoptera)  
*Aspidiotus coryphae* (Homoptera)

## COCOS—Continued

- Aspidiotus destructor* (Homoptera)  
*Aspidiotus palmae* (Homoptera)  
*Asterolecanium degneratum* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Chrysomphalus scutiformis* (Homoptera)  
*Diocalandra taitensis* (Coleoptera)  
*Ereunetis flavistriata* (Lepidoptera)  
*Furcaspis oceanica* (Homoptera)  
*Lepidosaphes esakii* (Homoptera)  
*Phenacaspis sandwicensis* (Homoptera)  
*Pinnaspis buxi* (Homoptera)  
*Pseudococcus palmarum* (Homoptera)  
*Pseudococcus saipanensis* (Homoptera)  
*Stenotrupis marshalli* (?) (Coleoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## CODIAEUM:

- Asterolecanium pustulans* (Homoptera)  
*Ferrisia virgata* (Homoptera)  
*Lepidosaphes tokionis* (Homoptera)  
*Orthezia praelonga* (Homoptera)  
*Parlatoria crotonis* (Homoptera)  
*Tricentrus albomaculatus* (Homoptera)

## COFFEA:

- Aleurocanthus woglumi* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Coccus viridis* (Homoptera)  
*Dacus dorsalis* (Diptera)  
*Stephanoderas hampei* (Coleoptera)

## COLA:

- Selenothrips rubrocinctus* (Thysanoptera)

## COLEUS:

- Lampides boeticus* (Lepidoptera)

## CONVALLARIA:

- Schwiebea talpa* (Acarina)  
*Sitona lineata* (Coleoptera)

## CORDYLINE:

- Amorbia emigratella* (Lepidoptera)  
*Bradybaena similis* (Mollusca)  
*Ferrisia virgata* (Homoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Mitrostethus browni* (Coleoptera)  
*Oxydema longulum* (Coleoptera)  
*Pantomorus godmani* (Coleoptera)  
*Pinnaspis buxi* (Homoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## CORYLUS:

- Curculio nucum* (Coleoptera)

## CRATAEGUS:

- Rhagoletis pomonella* (Diptera)

## CRYPTOMERIA:

- Diaspis carueli* (Homoptera)

## CUCUMIS:

- Dacus cucurbitae* (Diptera)

## CUCURBITA:

- Dacus ciliatus* (?) (Diptera)  
*Dacus cucurbitae* (Diptera)

## CURCUMA:

- Paraputo taraktogoni* (Homoptera)

## CYCAD:

- Aulacoscelia elongata* (Coleoptera)

## CYCNOCHES:

- Brevipalpus phoenicis* (Acarina)

## CYDONIA:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)

## CYMBIDIUM:

- Chrysomphalus pinnulifera* (tentative) (Homoptera)  
*Deroceras reticulatus* (Mollusca)  
*Lepidosaphes tuberculata* (Homoptera)  
*Plautia brunneipennis* (Hemiptera)

## CYNARA:

- Apion carduorum* (Coleoptera)  
*Gortyna flavago* (Lepidoptera)  
*Gortyna ochracea* (Lepidoptera)  
*Iridomyrmex humilis* (Hymenoptera)

## CYNODON:

- Antonina graminis* (Homoptera)

## CYPRIPIEDUM:

- Coccus capparidis* (Homoptera)

## CYTISUS:

- Apion fuscirostre* (Coleoptera)

## DAHLIA:

- Frankliniella paucispinosa* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*Thrips nigropilosus* (Thysanoptera)



## Host and Insects—Continued

## DAISY:

*Taeniothrips gracilis* (Thysanoptera)

## DENDROBIUM:

*Anaphotrips corbetti* (Thysanoptera)

*Delichotetranychus vanderghooti* (Acarina)

*Ferrisia virgata* (Homoptera)

*Lepidosaphes tuberculata* (Homoptera)

## DIANTHUS:

*Aufeiis impressicollis* (Hemiptera)

*Frankliniella formosae* (Thysanoptera)

*Frankliniella intonsa* (Thysanoptera)

*Iridomyrmex humilis* (Hymenoptera)

*Lygus rugulipennis* (Hemiptera)

*Macrosiphum gei* (?) (Homoptera)

*Taeniothrips atratus* (Thysanoptera)

*Taeniothrips dianthi* (Thysanoptera)

*Taeniothrips vulgatissimus* (Thysanoptera)

*Thrips flavus* (Thysanoptera)

*Thrips major* (Thysanoptera)

## DIOSCOREA:

*Palaeopus costicollis* (Coleoptera)

"*Targionia*" *hartii* (Homoptera)

## DIOSPYROS:

*Ceratitis capitata* (Diptera)

*Glycyphagus domesticus* (Acarina)

*Parlatoria oleae* (Homoptera)

*Phenacaspis aucubae* (Homoptera)

*Pseudococcus kraunhiae* (Homoptera)

## DRACAENA:

*Pinnaspis buxi* (Homoptera)

*Syricta oceanica* (Diptera)

## EPIDENDRUM:

*Asterolecanium epidendri* (Homoptera)

*Furcaspis biformis* (Homoptera)

*Pheidole megacephala* (Hymenoptera)

*Vinsonia stellifera* (Homoptera)

## ERIOBOTRYA:

*Ceratitis capitata* (Diptera)

## ERYTHRINA:

*Specularius impressothorax* (Coleoptera)

## EUGENIA:

*Anastrepha mombinpraeoptans* (Diptera)

*Heterotermes convexinotatus* (Isoptera)

## EUPHORBIA:

*Micrapate labialis* (Coleoptera)

## EURYA:

*Aspidiotus degeneratus* (Homoptera)

## FICUS:

*Asterolecanium pustulans* (Homoptera)

*Autoserica castanea* (Coleoptera)

*Ceratitis capitata* (Diptera)

*Ceroplastes rusci* (Homoptera)

*Lepidosaphes ficus* (Homoptera)

*Pseudaonidia trilobitiformis* (Homoptera)

## FOENICULUM:

*Deroceras reticulatum* (Mollusca)

## FRAXINUS:

*Chrysomphalus personatus* (Homoptera)

## FREESIA:

*Frankliniella bispinosa* (Thysanoptera)

## GALANTHUS:

*Apion carduorum* (Coleoptera)

## GARCINIA:

*Vinsonia stellifera* (Homoptera)

## GARDENIA:

*Ceroplastes rubens* (Homoptera)

*Coccus viridis* (Homoptera)

*Dialeurodes citri* (Homoptera)

*Dialeurodes kirkaldyi* (Homoptera)

*Eucalymnatus tessellatus* (Homoptera)

*Ferrisia virgata* (Homoptera)

*Pealius hibisci* (Homoptera)

*Protaetia fusca* (Coleoptera)

*Protopulvinaria longivalvata* (Homoptera)

*Pulvinaria psidii* (Homoptera)

*Taeniothrips hawaiiensis* (Thysanoptera)

*Taeniothrips vitticornis* (Thysanoptera)

## GASTRORCHIS:

*Chrysomphalus pinnulifera* (tentative) (Homoptera)

## GAYLUSSACIA:

*Stephanitis oberti* (Hemiptera)

## GERBERA:

*Haplothrips gowdeyi* (Thysanoptera)

*Taeniothrips gracilis* (Thysanoptera)

## GLADIOLUS:

*Anuraphis tulipae* (Homoptera)

*Aphanus umbrosus* (Hemiptera)

## GLADIOLUS—Continued

*Draeculacephala producta* (Homoptera)

*Exptochiomera oblonga* (Hemiptera)

*Frankliniella bispinosa* (Thysanoptera)

*Frankliniella formosae* (Thysanoptera)

*Frankliniella fortissima* (Homoptera)

*Frankliniella intonsa* (Thysanoptera)

*Iridomyrmex humilis* (Hymenoptera)

*Pheidole megacephala* (Hymenoptera)

*Taeniothrips atratus* (Thysanoptera)

*Taeniothrips hawaiiensis* (Thysanoptera)

*Taeniothrips vulgatissimus* (Thysanoptera)

*Thrips flavus* (Thysanoptera)

## GLIRICIDIA:

*Tetraleurodes acaciae* (Homoptera)

## GOSSYPIUM:

*Bucculatrix thurberiella* (Lepidoptera)

*Oxycarenus hyalinipennis* (Hemiptera)

*Pectinophora gossypiella* (Lepidoptera)

*Ptinus tectus* (Coleoptera)

## GYPSOPHILA:

*Thrips flavus* (Thysanoptera)

*Thrips nigropilosus* (Thysanoptera)

## HEDERA:

*Iridomyrmex humilis* (Hymenoptera)

## HELIANTHUS:

*Thrips major* (Thysanoptera)

## HELICONIA:

*Bradybaena similis* (Mollusca)

*Pantomorus godmani* (Coleoptera)

*Protaetia fusca* (Coleoptera)

## HIBISCUS:

*Crociosema plebeiana* (Lepidoptera)

*Diaprepes famelicus* var. (Coleoptera)

*Frankliniella bispinosa* (Thysanoptera)

*Haplothrips gowdeyi* (Thysanoptera)

*Lepidosaphes tokionis* (Homoptera)

*Pectinophora gossypiella* (Lepidoptera)

*Pheidole megacephala* (Hymenoptera)

*Taeniothrips gracilis* (Thysanoptera)

## HYACINTHUS:

*Aglossa cuprealis* (Lepidoptera)

*Prodenia ornithogalli* (Lepidoptera)

## HYMENOCALLIS:

*Trionymus lounsburyi* (Homoptera)

## IPOMOEA:

*Cylas formicarius* (Coleoptera)

*Cylas formicarius* var. (Coleoptera)

*Cylas formicarius elegantulus* (Coleoptera)

*Euscepes postfasciatus* (Coleoptera)

## IRIS:

*Anuraphis tulipae* (Homoptera)

*Blissus leucopterus hirtus* (Hemiptera)

*Bregmatothrips iridis* (Thysanoptera)

## IXORA:

*Coccus viridis* (Homoptera)

*Ferrisia virgata* (Homoptera)

*Pulvinaria psidii* (Homoptera)

## JASMINUM:

*Dialeurodes kirkaldyi* (Homoptera)

*Frankliniella bispinosa* (Thysanoptera)

## JUNIPERUS:

*Lepidosaphes newsteadi* (Homoptera)

*Lepidosaphes pallida* (Homoptera)

## KADSURA:

*Ceroplastes rubens* (Homoptera)

## KALMIA:

*Chrysomphalus paulistus* (Homoptera)

## KERRIA:

*Allantus cinctus* (Hymenoptera)

## KHAYA:

*Cordylomera spinicornis* (Coleoptera)

## LACTUCA:

*Deroceras reticulatum* (Mollusca)

*Dicyphus annulatus* (Hemiptera)

*Macrosiphum formosanum* (Homoptera)

*Taeniothrips atratus* (Thysanoptera)

*Thrips angusticeps* (Thysanoptera)

## LAELIA:

*Asterolecanium epidendri* (Homoptera)

*Chrysomphalus umboniferus* (Homoptera)

*Ferrisia virgata* (Homoptera)

*Furcaspis biformis* (Homoptera)

## LANSIUM:

*Pheidole megacephala* (Hymenoptera)

## LATANIA:

*Aspidiotus destructor* (Homoptera)



## Host and Insects—Continued

- LATHYRUS:**  
*Bruchus tristis* (Coleoptera)  
*Calocoris norvegicus* (Hemiptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips gracilis* (Thysanoptera)  
*Taeniothrips vulgatissimus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*Thrips major* (Thysanoptera)
- LAURUS:**  
*Chrysomphalus paulistus* (Homoptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Lecanium corni* (Homoptera)  
*Piezodorus lituratus* (Hemiptera)  
*Trialeurodes lauri* (Homoptera)
- LEONOTIS:**  
*Pheidole megacephala* (Hymenoptera)
- LEONTOPODIUM:**  
*Frankliniella pallida* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)
- LEUCOPHYLLUM:**  
*Chionaspis leucadendri* (Homoptera)
- LILIUM:**  
*Aglossa cuprealis* (Lepidoptera)  
*Diaprepes fuscicollis* var. (Coleoptera)  
*Euborellia moesta* (Orthoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Prodenia ornithogalli* (Lepidoptera)  
*Taeniothrips gracilis* (Thysanoptera)
- LITCHI:**  
*Pulvinaria psidii* (Homoptera)
- LIVISTONA:**  
*Aspidiotus destructor* (Homoptera)
- LUPINUS:**  
*Bruchus tristis* (Coleoptera)
- LYCASTE:**  
*Iridomyrmex iniquus* (Hymenoptera)  
*Puto ulter* (Homoptera)  
*Vinsonia stellifera* (Homoptera)
- LYCOPERSICON:**  
*Dacus cucurbitae* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Lineodes integra* (Lepidoptera)  
*Neoleucinodes elegantalis* (Lepidoptera)  
*Platynota rostrana* (Lepidoptera)
- MACADAMIA:**  
*Cryptophlebia illepidia* (Lepidoptera)
- MACROZANONIA:**  
*Dacus caudatus* (Diptera)
- MALUS:**  
*Allantus cinctus* (Hymenoptera)  
*Argyresthia conjugella* (Lepidoptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Epiaispis piricola* (Homoptera)  
*Glycyphagus domesticus* (Acarina)  
*Grapholitha molesta* (Lepidoptera)  
*Parlatoria oleae* (Homoptera)  
*Rhagoletis pomonella* (Diptera)  
*Tortrix excessana* (Lepidoptera)  
*Tortrix postvittana* (Lepidoptera)
- MALVA:**  
*Apion aeneum* (Coleoptera)  
*Apion radiolus* (Coleoptera)
- MAMMEA:**  
*Anastrepha serpentina* (Diptera)
- MAMMILLARIA:**  
*Gerstaeckeria mutilaria* (Coleoptera)  
*Sexeonotus luteiceps* (Hemiptera)
- MANGIFERA:**  
*Anastrepha fraterculus* (Diptera)  
*Anastrepha ludens* (Diptera)  
*Anastrepha mombinpraeoptans* (Diptera)  
*Anastrepha serpentina* (Diptera)  
*Anastrepha suspensa* (Diptera)  
*Aspidictus herculeanus* (Homoptera)  
*Aulacaspis tubercularis* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Dacus dorsalis* (Diptera)  
*Euborellia plebeja* (Orthoptera)  
*Phenacaspis sandwicensis* (Homoptera)  
*Pseudococcus lilacinus* (Homoptera)  
*Sternochetus mangiferae* (Coleoptera)
- MAXILLARIA:**  
*Furcaspis bififormis* (Homoptera)
- MELIA:**  
*Chrysomphalus personatus* (Homoptera)
- MELILOTUS:**  
*Frankliniella cestrum* (Thysanoptera)
- MENTHA:**  
*Phorodon menthae* (Homoptera)
- MESPILUS:**  
*Ceratitis capitata* (Diptera)
- MOMORDICA:**  
*Dacus cucurbitae* (Diptera)
- MONSTERA:**  
*Cyrtosiphum sphaeroides* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Protaetia fusca* (Coleoptera)
- MUSA PARADISIACA SAPIENTUM:**  
*Cosmopolites sordidus* (Coleoptera)  
*Metamasius sericeus* (Coleoptera)  
*Metamasius sericeus carbonarius* (Coleoptera)
- MUSCARI:**  
*Bouhelia maroccana* (Homoptera)
- MUSSAENDA:**  
*Ferrisia virgata* (Homoptera)  
*Pulvinaria psidii* (Homoptera)
- NARCISSUS:**  
*Lampetia equestris* (Diptera)  
*Taeniothrips gracilis* (Thysanoptera)
- NERIUM:**  
*Asterolecanium pustulans* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Morganella longispina* (Homoptera)  
*Pseudaonidia trilobitiformis* (Homoptera)
- NIPA:**  
*Pinnaspis buxi* (Homoptera)
- NOLINA:**  
*Chrysomphalus smilacis* (Homoptera)
- ODONTOGLOSSUM:**  
*Ferrisia virgata* (Homoptera)  
*Puto ulter* (Homoptera)
- OLEA:**  
*Aspidiotus braunschwigi* (tentative) (Homoptera)  
*Dacus oleae* (Diptera)  
*Parlatoria oleae* (Homoptera)  
*Prays oleellus* (Lepidoptera)
- ONCIDIUM:**  
*Furcaspis bififormis* (Homoptera)  
*Pseudischneaspis alienus* (Homoptera)  
*Tentecoris vestitus* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)
- OPERCULINA:**  
*Asterolecanium epidendri* (Homoptera)  
*Ferrisia virgata* (Homoptera)  
*Sybra alternana* (Coleoptera)
- OPUNTIA:**  
*Ceratitis capitata* (Diptera)
- ORCHID:**  
*Amorbia emigratella* (Lepidoptera)  
*Anaphothrips orchidaceus* (Thysanoptera)  
*Anthonus foveifrons* (Coleoptera)  
*Asterolecanium epidendri* (Homoptera)  
*Capaneus tetricus* (Hemiptera)  
*Chrysomphalus odontoglossi* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Corimelaena elegans* (Hemiptera)  
*Diorymerellus laevimargo* (Coleoptera)  
*Epilachna varivestis* (Coleoptera)  
*Eustrophinus marginatus* (Coleoptera)  
*Fulvius anthocorides* (Hemiptera)  
*Furcaspis bififormis* (Homoptera)  
*Galgupha magna* (Hemiptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Iridomyrmex iniquus* (Hymenoptera)  
*Leucaspis cockerelli* (Homoptera)  
*Ligyrocoris nitidicollis* (Hemiptera)  
*Macropygium reticulare* (Hemiptera)  
*Monomorium destructor* (Hymenoptera)  
*Myochrous femoralis* (Coleoptera)  
*Myodocha tongicollis* (Hemiptera)  
*Nasutitermes nigricaps* (Isoptera)  
*Neolobophora ruficeps* (Orthoptera)  
*Pantomorus godmani* (Coleoptera)  
*Parallelodiplosis cattleyae* (?) (Diptera)  
*Parlatoria pseudaspidiotus* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pseudaonidia trilobitiformis* (Homoptera)  
*Pseudischneaspis alicinus* (Homoptera)  
*Puto ulter* (Homoptera)  
*Tentecoris angustimarginatus* (Hemiptera)



## Host and Insects—Continued

## ORCHID—Continued

- Tenthecoris bicolor* (Hemiptera)  
*Tenthecoris confusus* (Hemiptera)  
*Tenthecoris distinguendus* (Hemiptera)  
*Tenthecoris vestitus* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)

## ORNITHOGALUM:

- Frankliniella schultzei* (Thysanoptera)  
*Haplothrips nigricornis* (Thysanoptera)  
*Haplothrips wouramboulchii* (Thysanoptera)

## ORYZA:

- Chilo simplex* (Lepidoptera)  
*Halyomorpha picta* (Hemiptera)  
*Scotinophara lurida* (Hemiptera)

## PACHYCREUS:

- Lepidosaphes philococcus* (Homoptera)

## PAEONIA:

- Phassus excrescens* (?) (Lepidoptera)

## PALM:

- Aleurotrachelus trachoides* (Homoptera)  
*Aspidiotus destructor* (Homoptera)  
*Asterolecanium inlabefactum* (Homoptera)  
*Chrysocoris grandis* (Hemiptera)  
*Chrysomphalus sphaeroides* (Homoptera)  
*Dysdercus flavolimbatus* (Hemiptera)  
*Furcaspis biformis* (Homoptera)  
*Oncometopia fowleri* (Homoptera)  
*Paraleyrodes citri* (?) (Homoptera)  
*Pinnaspis buxi* (Homoptera)

## PEDILANTHUS:

- Furcaspis biformis* (Homoptera)

## PERSEA:

- Anastrepha ludens* (Diptera)  
*Aspidiotus destructor* (Homoptera)  
*Aspidiotus diffinis* (Homoptera)  
*Aspidiotus herculeanus* (Homoptera)  
*Chrysomphalus albopictus* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Conotrachelus aguacatae* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Pseudischnaspis longissima* (Homoptera)  
*Stenoma catenifer* (Lepidoptera)  
*Tuckerella pavoniformis* (Acarina)

## PHALAENOPSIS:

- Chrysomphalus tingi* (Homoptera)

## PHASEOLUS:

- Epinotia opposita* (Lepidoptera)  
*Fundella pellucens* (Lepidoptera)  
*Laspeyresia leguminis* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)

## PHILODENDRON:

- Aonidiella citrina* (Homoptera)  
*Asterolecanium epidendri* (Homoptera)  
*Asterolecanium pustulans* (Homoptera)  
*Chrysomphalus albopictus* (Homoptera)  
*Chrysomphalus sphaeroides* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Fulvius anthocorides* (Hemiptera)  
*Lepidosaphes carinata* (Homoptera)  
*Pinnaspis buxi* (Homoptera)

## PHLOX:

- Sitona lineata* (Coleoptera)

## PHOENIX:

- Ceratitis capitata* (Diptera)

## PICEA:

- Hylurgops palliatus* (Coleoptera)  
*Pityogenes chalcographus* (Coleoptera)

## PINUS:

- Eulachnus piniformosanus* (?) (Homoptera)  
*Hylurgops palliatus* (Coleoptera)  
*Ips sexdentatus* (Coleoptera)  
*Lepidosaphes newsteadi* (Homoptera)  
*Pityogenes bidentatus* (Coleoptera)  
*Pityogenes chalcographus* (Coleoptera)  
*Poliaspis pini* (Homoptera)  
*Pseudococcus pini* (Homoptera)  
*Ptochoryctis tsugensis* (?) (Lepidoptera)

## PITHECELLOBIUM:

- Cryptophlebia illepida* (Lepidoptera)

## PITTOSPORUM:

- Frankliniella bispinosa* (Thysanoptera)

## PLUMERIA:

- Coccus viridis* (Homoptera)  
*Chonchaspis newsteadi* (Homoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## POLIANTHES:

- Iridomyrmex humilis* (Hymenoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## PORTULACA:

- Ferrisia virgata* (Homoptera)

## PORTULACARIA:

- Selenaspis portulacariae* (Homoptera)

## PRIMULA:

- Frankliniella intonsa* (Thysanoptera)  
*Taeniothrips picipes* (Thysanoptera)

## PROSOPIS:

- Tetraleurodes acaciae* (Homoptera)

## PRUNUS DOMESTICA:

- Anastrepha mombinpraeoptans* (Diptera)  
*Aspidiotus diffinis* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Epidiaspis piricola* (Homoptera)  
*Listroderes subcinctus* (Coleoptera)  
*Megalometis chiliensis* (Coleoptera)  
*Parlatoria oleae* (Homoptera)  
*Porotermes quadricollis* (Isoptera)

## PRUNUS PERSICA:

- Anastrepha fraterculus* (Diptera)  
*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Grapholitha molesta* (Lepidoptera)

## PRUNUS PERSICA NECTARINA:

- Listroderes subcinctus* (Coleoptera)  
*Megalometis chiliensis* (Coleoptera)

## PRUNUS SERRULATA LANNESIANA:

- Anthonomus rectirostris* (Coleoptera)

## PRUNUS SPINOSA (?):

- Diptacus gigantorhynchus* (Acarina)  
*Eriophyes similis* (Acarina)

## PRUNUS SP. (CHERRY)

- Rhagoletis cerasi* (Diptera)

## PRUNUS VAR.:

- Ericerus pela* (Homoptera)

## PSIDIUM:

- Aleuroglandulus emmae* (Homoptera)  
*Anastrepha fraterculus* (Diptera)  
*Anastrepha mombinpraeoptans* (Diptera)  
*Anastrepha striata* (Diptera)  
*Anastrepha suspensa* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Paraleyrodes goyabae* (?) (Homoptera)

## PUNICA:

- Amorbia emigratella* (Lepidoptera)  
*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (?) (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Mimosestes sallaei* (Coleoptera)

## PYRUS:

- Anastrepha fraterculus* (Diptera)  
*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Epidiaspis piricola* (Homoptera)  
*Glycyphagus domesticus* (Acarina)

## QUERCUS:

- Aspidiotus zonatus* (Homoptera)  
*Curculio elephas* (Coleoptera)

## RATHBUNIA:

- Icerya palmeri* (Homoptera)

## RHODODENDRON:

- Acronicta rumicis* (Lepidoptera)  
*Aleurolobus rhododendri* (Homoptera)  
*Dialeurodes chittendeni* (Homoptera)  
*Gracilaria azaleella* (Lepidoptera)  
*Pseudococcus gahani* (Homoptera)  
*Sitona lineata* (Coleoptera)  
*Stephanitis pyrioides* (Hemiptera)

## RHUS:

- Parlatoria oleae* (Homoptera)

## RICINUS:

- Coccus viridis* (Homoptera)

## RORIPPA:

- Hydrellia nasturtii* (Diptera)  
*Phyllotreta nigripes* (Coleoptera)

## ROSA:

- Eutetranychus banksi* (Acarina)  
*Ferrisia virgata* (Homoptera)  
*Frankliniella intonsa* (Thysanoptera)  
*Pseudococcus gahani* (Homoptera)  
*Taeniothrips atratus* (Thysanoptera)



*Host and Insects—Continued*

## ROSA—Continued

*Thrips angusticeps* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*Thrips major* (Thysanoptera)

## RUSCUS:

*Aspidiotus britannicus* (Homoptera)

## SACCHARUM:

*Iridomyrmex humilis* (Hymenoptera)  
*Monomorium destructor* (Hymenoptera)  
*Pseudococcus boninsis* (Homoptera)  
 "Targionia" *sacchari* (Homoptera)  
*Trionymus sacchari* (Homoptera)

## SALIX:

*Ceroplastes ceriferus* (Homoptera)

## SAMANEA:

*Sinoxylon conigerum* (Coleoptera)

## SAPOTE:

*Anastrepha ludens* (Diptera)  
*Chrysomphalus personatus* (Coleoptera)  
*Eutetranychus banksi* (Acarina)

## SCABIOSA:

*Prodenia ornithogalli* (Lepidoptera)

## SCHINUS:

*Tetraleurodes ursorum* (Homoptera)

## SCHOMBURGKIA:

*Pheidole megacephala* (Hymenoptera)

## SCILLA:

*Lampetia equestris* (Diptera)

## SELAGINELLA:

*Epilachna varivestis* (Coleoptera)  
*Orthezia selaginellae* (Homoptera)

## SMILAX:

*Aulacaspis spinosa* (Homoptera)

## SOIL:

*Deroceras reticulatum* (Mollusca)  
*Glycyphagus domesticus* (Acarina)  
*Mniophila muscorum* (Coleoptera)  
*Rhynchaenus fagi* (Coleoptera)  
*Taeniothrips ericae* (Thysanoptera)

## SOLANUM MELONGENA:

*Leucinodes orbonalis* (Lepidoptera)  
*Lineodes integra* (Lepidoptera)  
*Neoleucinodes elegantalis* (Lepidoptera)

## SOLANUM TUBEROSUM:

*Alloxacis dorsalis* (Coleoptera)  
*Glycyphagus domesticus* (Acarina)  
*Lampetia equestris* (Diptera)

## SOLANUM SP.:

*Neoleucinodes elegantalis* (Lepidoptera)

## SORBUS:

*Parlatoria oleae* (Homoptera)

## SORGHUM:

*Pyrausta nubilalis* (Lepidoptera)  
*Sesamia cretica* (Lepidoptera)

## SPONDIAS:

*Anastrepha mombinpraeoptans* (Diptera)  
*Aspidiotus herculeanus* (Homoptera)

## STANHOPEA:

*Asterolecanium epidendri* (Homoptera)  
*Brevipalpus phoenicis* (Acarina)  
*Vinsonia stellifera* (Homoptera)

## STAPELIA:

*Asterolecanium stentae* (Homoptera)

## STIPA:

*Nysius simulans* (Hemiptera)

## STRELITZIA:

*Orydema longulum* (Coleoptera)  
*Phenacaspis sandwicensis* (Homoptera)  
*Pinnaspis buri* (Homoptera)

## SYRINGA:

*Adoxophyes orana* (Lepidoptera)

## SYRINGA—Continued

*Dendrothrips ornatus* (Thysanoptera)  
*Rhynchaenus populi* (Coleoptera)  
*Thrips flavus* (Thysanoptera)  
*Thrips major* (Thysanoptera)  
*Tydeus granulatus* (Acarina)

## TAMARINDUS:

*Caryedon fuscus* (Coleoptera)

## TAMARIX:

*Lepidosaphes newsteadi* (Homoptera)

## TERMINALIA:

*Dacus dorsalis* (Diptera)  
*Phenacaspis sandwicensis* (Homoptera)

## TRACHYCARPUS:

*Aspidiotus destructor* (Homoptera)

## TULIPA:

*Anuraphis tulipae* (Homoptera)

## ULMUS:

*Hylurgopinus rufipes* (Coleoptera)

## VACCINIUM:

*Aleurotuberculatus similis* (?) (Homoptera)

## VANDA:

*Anaphothrips corbeti* (Thysanoptera)  
*Furcaspis biformis* (Homoptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Monomorium destructor* (Hymenoptera)  
*Nysius coenosulus* (Hemiptera)  
*Parlatoria pseudaspidiotus* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## VIBURNUM:

*Aphis viburni* (?) (Homoptera)

## VICIA:

*Apion pomonae* (Coleoptera)  
*Bruchus brachialis* (Coleoptera)  
*Bruchus dentipes* (Coleoptera)  
*Bruchus guttalis* (Coleoptera)  
*Bruchus luteicornis* (Coleoptera)  
*Bruchus rufipes* (Coleoptera)  
*Bruchus tristis* (Coleoptera)

## VIGNA:

*Callosobruchus maculatus* (Coleoptera)

## VIOLA:

*Haplothrips gowdeyi* (Thysanoptera)  
*Taeniothrips gracilis* (Thysanoptera)

## VITIS:

*Brachyrhinus rugosostriatus* (Coleoptera)  
*Brevipalpus chilensis* (Acarina)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Lecanium corni* (Homoptera)  
*Leptoglossus chilensis* (Hemiptera)  
*Phlyctinus callosus* (Coleoptera)  
*Polychrosis botrana* (Lepidoptera)

## WISTERIA:

*Chionaspis wistariae* (Homoptera)  
*Phenacoccus fujicola* (Homoptera)

## YUCCA:

*Asterolecanium agavis* (Homoptera)

## ZANTEDESCHIA:

*Iridomyrmex humilis* (Hymenoptera)

## ZEA:

*Moodna bisinuella* (Lepidoptera)

## ZELKOVA:

*Eriococcus abeliceae* (Homoptera)  
*Lepidosaphes kuwacola* (Homoptera)

## ZINGIBER:

*Orydema fusiforme* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)

## ZINNIA:

*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)

*Hosts Unknown*

## AIRPLANE:

*Adoretus sinicus* (Coleoptera)  
*Anomala cuprea* (Coleoptera)  
*Anomala viridana* (Coleoptera)  
*Apogonalia stali* (Homoptera)  
*Burtinus notatipennis* (Hemiptera)  
*Conoderus vagus* (Coleoptera)  
*Coptotermes formosanus* (Isoptera)  
*Crociosema plebeiana* (Lepidoptera)  
*Cylas formicarius elegantulus* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Draeculacephala producta* (Homoptera)  
*Iridomyrmex humilis* (Hymenoptera)

## AIRPLANE—Continued

*Mimosestes sallaei* (Coleoptera)  
*Nysius coenosulus* (Hemiptera)  
*Perkinsiella vitiensis* (Homoptera)  
*Protaetia fusca* (Coleoptera)  
*Protaetia orientalis* (Coleoptera)  
*Sinoxylon conigerum* (Coleoptera)  
*Syrretta oceanica* (Diptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips vulgarissimus* (Thysanoptera)  
*Xystrocera globosa* (Coleoptera)

## BEAN:

*Bruchus tristis* (Coleoptera)



## Hosts Unknown—Continued

## BULB:

*Monomorium destructor* (Hymenoptera)  
*Oxydema fusiforme* (Coleoptera)

## FERN:

*Bradybaena similis* (Mollusca)

## FLOWERS:

*Amorbia emigratella* (Lepidoptera)  
*Frankliniella bispinosa* (Thysanoptera)  
*Frankliniella formosae* (Thysanoptera)  
*Frankliniella schultzei* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Helix aspersa* (Mollusca)  
*Microcephalothrips abdominalis* (Thysanoptera)  
*Monomorium destructor* (Hymenoptera)  
*Oxycaenus bicolor* (Hemiptera)  
*Protaetia fusca* (Coleoptera)  
*Pseudothrips glaucus* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips vulgatissimus* (Thysanoptera)  
*Thrips nigropilosus* (Thysanoptera)

## FOREST LITTER:

*Hypera nigrirostris* (Coleoptera)

## GRASS:

*Aspidiotus bilobis* (Homoptera)  
*Asterolecanium milaris milaris* (Homoptera)

## HERB:

*Aglossa curprealis* (Lepidoptera)  
*Monomorium destructor* (Hymenoptera)  
*Zetha chavesi* (Orthoptera)

## IN BOX OF ANTHURIUMS:

*Dacus dorsalis* (Diptera)

## IN GARBAGE CAN:

*Anastrepha ludens* (Diptera)

## LEAF:

*Aleuroplatus denticulatus* (Homoptera)  
*Aleurothrixus myrtacei* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Deroceras reticulatum* (Mollusca)  
*Leucaspis cockerelli* (Homoptera)  
*Targionia laurina* (Homoptera)  
*Tetraleurodes acaciae* (Homoptera)  
*Unaspis euonymi* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

## LEGUMINOSAE POD:

*Ancylostomia stercorea* (Lepidoptera)

## MERCHANDISE:

*Coptotermes formosanus* (Isoptera)

## MOSS:

*Frankliniella bispinosa* (Thysanoptera)

## PACKING:

*Listroderes subcinctus* (Coleoptera)

## PAPER WRAPPING:

*Aglossa cuprealis* (Lepidoptera)

## PLANT:

*Aleyrodes proletella* (Homoptera)  
*Aspidiotus palmarum* (Homoptera)  
*Asterolecanium pustulans* (Homoptera)  
*Ceroplastes rubens* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Dialeurodes kirkaldyi* (Homoptera)  
*Ferrisia virgata* (Homoptera)  
*Pulvinaria psidii* (Homoptera)  
*Taeniothrips dianthi* (Thysanoptera)

## RAILWAY CAR:

*Pectinophora gossypiella* (Lepidoptera)

## RETURNED WAR EQUIPMENT:

*Achatina fulica* (Mollusca)

## RHIZOME:

*Monomorium destructor* (Hymenoptera)

## ROOT:

*Minthea rugicollis* (Coleoptera)

## SCRAP METAL:

*Achatina fulica* (Mollusca)

## STRAW JACKET:

*Glycyphagus domesticus* (Acarina)  
*Tydeus interruptus* (Acarina)

## SUCCULENT:

*Lepidosaphes bladhaie* (tentative) (Homoptera)

## SUITCASE:

*Iridomyrmex humilis* (Hymenoptera)

## TREE FERN:

*Bradybaena similis* (Mollusca)

## TREE SEED:

*Caryedon fuscus* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)

## TRUCK:

*Pectinophora gossypiella* (Lepidoptera)

## VEGETABLES:

*Monacha obstructa* (Mollusca)

## WITH BANANAS:

*Anastrepha distincta* (Diptera)

## WOOD:

*Chilo simplex* (Lepidoptera)  
*Cryptotermes brevis* (Isoptera)  
*Dinoderopsis serriger* (?) (Coleoptera)  
*Heterobostrychus aequalis* (Coleoptera)  
*Kaloterms durbanensis* (Isoptera)  
*Minthea rugicollis* (Coleoptera)  
*Pogonocherus hispidulus* (Coleoptera)  
*Sinoxylon anale* (Coleoptera)  
*Sinoxylon conigerum* (Coleoptera)

## WOOL:

*Calonota festiva* (Coleoptera)

## Countries of Origin and Insects

## ALGERIA:

*Bruchus guttalis*  
*Parlatoria zizyphus*

## AMERICAN VIRGIN ISLANDS:

*Furcopsis bifurmis*  
*Pectinophora gossypiella*

## ANGLO-EGYPTIAN SUDAN:

*Pectinophora gossypiella*

## ANGOLA:

*Specularius impressithorax*

## ANTIGUA:

*Aspidiotus palmarum*  
*Coccus viridis*  
*Pectinophora gossypiella*  
*Pulvinaria psidii*  
 "Targionia" hartii

## ARGENTINA:

*Frankliniella bispinosa*  
*Frankliniella cestrum*  
*Glycyphagus domesticus*  
*Nysius simulans*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Ptinus tectus*

## AUSTRALIA:

*Calonota festiva*  
*Ceroplastes rubens*  
*Deroceras reticulatum*  
*Eucalymnatus tessellatus*  
*Haplothrips gowdeyi*  
*Lepidosaphes tuberculata*

## AUSTRALIA—Continued

*Oxycaenus bicolor*  
*Phorodon menthae*  
*Plautia brunneipennis*  
*Pseudococcus gahani*  
*Pulvinaria psidii*

## AZORES:

*Aglossa cuprealis*  
*Ceratitis capitata*  
*Deroceras reticulatum*  
*Iridomyrmex humilis*  
*Onthophagus taurus*  
*Taeniothrips atratus*  
*Thrips flavus*  
*Zetha chavesi*

## BAHAMAS:

*Anastrepha mombinpraeoptans*  
*Ancylostomia stercorea*  
*Callosobruchus maculatus*  
*Ferrisia virgata*  
*Morganella longispina*

## BARBADOS:

*Aspidiotus destructor*  
 "Targionia" hartii  
*Vinsonia stellifera*

## BELGIAN CONGO:

*Cryptophlebia leucotreta*  
*Stephanoderes hampei*

## BELGIUM:

*Apion fuscirostre*  
*Deroceras reticulatum*



## Countries of Origin and Insects—Continued

## BELGIUM—Continued

*Evergestis forficalis*  
*Gracilaria azalea*  
*Ips sexdentatus*  
*Phlyctaenia ferrugalis*  
*Phytomyza atricornis* (?)

## BERMUDA:

*Coccus viridis*  
*Cryptoblabes gnidiella*  
*Diaprepes famelicus* var.  
*Frankliniella bispinosa*  
*Haplothrips gowdeyi*  
*Iridomyrmex humilis*  
*Monomorium destructor*  
*Morganella longispina*  
*Pheidole megacephala*  
*Prodenia ornithogalli*  
*Taeniothrips gracilis*

## BRAZIL:

*Anastrepha fraterculus*  
*Anastrepha mombinpraeoptans*  
*Anastrepha parallela* (?)  
*Anastrepha serpentina*  
*Aspidiotus destructor*  
*Asterolecanium degeneratum*  
*Asterolecanium pustulans*  
*Ceratitis capitata*  
*Chrysomphalus paulistus*  
*Cryptoblabes gnidiella*  
*Eurytoma orchidearum*  
*Frankliniella paucispinosa*  
*Galgupha vinculata*  
*Gnorimoschema borsaniella* (?)  
*Gymnandrosoma aurantianum*  
*Iridomyrmex iniquus*  
*Maruca testulalis*  
*Neoleucinodes elegantalis*  
*Pachyzancla bipunctalis*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Stenoma catenifer*  
*Stephanoderes hampei*

## BRITISH EAST AFRICA:

*Dinoderopsis serriger* (?)

## BRITISH GUIANA:

*Neodryocoetes guianae*  
*Pinnaspis buxi*

## BRITISH HONDURAS:

*Pseudischnaspis alienus*

## BRITISH VIRGIN ISLANDS:

*Anastrepha mombinpraeoptans*

## BRITISH WEST INDIES:

*Callosobruchus maculatus*  
*Leucaspis cockerelli*  
*Unaspis citri*

## CANADA:

*Blissus leucopterus hirtus*  
*Hylurgopinus rufipes*  
*Taeniothrips atratus*  
*Taeniothrips vulgatissimus*

## CANAL ZONE:

*Ancylostomia stercorea*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Brevipalpus phoenicis*  
*Chrysomphalus personatus*  
*Chrysomphalus umboniferus*  
*Coccus viridis*  
*Fundella pelluscens*  
*Furcaspis biformis*  
*Lepidosaphes tokionis*  
*Leucaspis cockerelli*  
*Myochrous femoralis*  
*Pseudaonidia trilobitiformis*  
*Pseudischnaspis alienus*  
*Stenoma catenifer*  
*Vinsonia stellifera*

## CAPE VERDE ISLANDS:

*Leucinodes orbonalis*  
*Pheidole megacephala*

## CENTRAL AMERICA:

*Leucaspis cockerelli*

## CEYLON:

*Aspidiotus herculeanus*

## CHILE:

*Brachyrhinus rugosostriatus*  
*Brevipalpus chilensis*  
*Epidiaspis piricola*

## CHILE—Continued

*Leptoglossus chilensis*  
*Listroderes subcinctus*  
*Megalometis chiliensis*  
*Porotermes quadricollis*

## CHINA:

*Chilo simplex*  
*Coptotermes formosanus*  
*Lepidosaphes tuberculata*  
*Minthea rugicollis*  
*Parlatoria zizyphus*  
*Taeniothrips gracilis*

## COLOMBIA:

*Anaphothrips orchidaceus*  
*Chrysomphalus umboniferus*  
*Coccus viridis*  
*Dialeurodes citrifolii*  
*Euscepes postfasciatus*  
*Pseudaonidia trilobitiformis*  
*Stenoma catenifer*  
*Unaspis citri*

## COSTA RICA:

*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Aspidiotus herculeanus*  
*Chrysomphalus personatus*  
*Deroceras reticulatum*  
*Furcaspis biformis*  
*Leucaspis cockerelli*  
*Metamasius sericeus*  
*Neolobophora ruficeps*  
*Pseudischnaspis longissima*

## CUBA:

*Aganactesis indecora*  
*Aleurothrixus floccosus*  
*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Aspidiotus destructor*  
*Asterolecanium pustulans*  
*Chrysomphalus tenax*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Dolichotetranychus floridanus*  
*Ferrisia virgata*  
*Leucaspis cockerelli*  
*Maruca testulalis*  
*Parlatoria cinerea*  
*Parlatoria crotonis*  
*Pheidole megacephala*  
*Pinnaspis buxi*  
*Protopulvinaria longivalvata*  
*Ribua innoxia*  
*Taeniothrips dianthi*  
*Trionymus sacchari*

## CURACAO:

*Caryedon fuscus*  
*Furcaspis biformis*

## DENMARK:

*Adoxophyes orana*  
*Apion carduorum*  
*Phytomyza atricornis* (?)  
*Schwiebea talpa*  
*Sitona lineata*  
*Taeniothrips atratus*  
*Thrips angusticeps*  
*Thrips major*

## DOMINICA:

*Pheidole megacephala*

## DOMINICAN REPUBLIC:

*Anastrepha mombinpraeoptans*  
*Mimosestes dominicanus*  
*Pheidole megacephala*

## ECUADOR:

*Aleuroplatus denticulatus*  
*Aspidiotus palmarum*  
*Lepidosaphes tokionis*  
*Leucaspis cockerelli*  
*Metamasius sericeus*  
*Pinnaspis buxi*  
*Stenoma anonella*  
*Stenoma catenifer*

## EGYPT:

*Ceratitis capitata*  
*Lepidosaphes tokionis*  
*Lixus junci*  
*Parlatoria oleae*

## ENGLAND:

*Acronicta rumicis*

## Countries of Origin and Insects—Continued

## ENGLAND—Continued

*Adorophyes orana*  
*Anuraphis tulipae*  
*Aspidiotus zonatus*  
*Ctenicera cupreus*  
*Deroceras reticulatum*  
*Dialeurodes chittendeni*  
*Frankliniella intonsa*  
*Gracilaria azaleella*  
*Hydrellia nasturtii*  
*Lampetia equestris*  
*Laspeyresia splendana*  
*Lepidosaphes tuberculata*  
*Phytomyza atricornis* (?)  
*Taeniothrips atratus*  
*Taeniothrips ericae*  
*Taeniothrips picipes*  
*Taeniothrips vulgatissimus*  
*Thrips angusticeps*  
*Thrips flavus*  
*Tydeus granulosus*

## FIJI:

*Perkinsiella vitiensis*  
*Stenotrupis marshalli* (?)

## FIJI (?):

*Aonidiella inornata*

## FINLAND:

*Eriophyes leionotus*

## FORMOSA:

*Aleurolobus rhododendri*  
*Aspidiotus bilobis*  
*Lepidosaphes tuberculata*  
*Parlatoria zizyphus*  
*Pseudaonidia clavigera*

## FRANCE:

*Acrolepia assectella*  
*Apion carduorum*  
*Barathra brassicae*  
*Bruchus luteicornis*  
*Ceratitis capitata*  
*Ceroplastes ruscii*  
*Curculio elephas*  
*Epidiaspis piricola*  
*Evergestis rimosalis*  
*Frankliniella bispinosa*  
*Glycyphagus domesticus*  
*Gortyna ochracea*  
*Mamestra brassicae*  
*Phyllotreta atra*  
*Phyllotreta consobrina*  
*Phyllotreta nigripes*  
*Phyllotreta undulata*  
*Pseudococcus gahani*  
*Psylliodes chrysocephala*  
*Rhagoletis cerasi*  
*Sesamia cretica*  
*Thrips flavus*  
*Tydeus interruptus*

## GERMANY:

*Anuraphis tulipae*  
*Apion pomonae*  
*Dicyphus annulatus*  
*Frankliniella intonsa*  
*Gelechia ericetella*  
*Glycyphagus domesticus*  
*Hylurgops palliatus*  
*Lygus rugulipennis*  
*Macrosiphum gei* (?)  
*Micrelus ericae*  
*Pityogenes bidentatus*  
*Pityogenes chalcographus*  
*Polychrosis botrana*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*Taeniothrips ericae*  
*Taeniothrips vulgatissimus*  
*Thrips flavus*  
*Thrips major*

## GOLD COAST:

*Cordylomera spinicornis*

## GREECE:

*Bruchus tristis*  
*Ceratitis capitata*  
*Epidiaspis piricola*  
*Parlatoria oleae*  
*Sesamia cretica*  
*Taeniothrips dianthi*  
*Thrips angusticeps*

## GRENADA:

*Parlatoria cinerea*

## GUADELOUPE:

*Anastrepha mombinpraeoptans*  
*Cosmopolites sordidus*

## GUAM:

*Achatina fulica*  
*Ceroplastes rubens*  
*Lepidosaphes tokionis*  
*Pseudococcus lilacinus*  
*Pseudococcus saipanensis*

## GUATEMALA:

*Aleurothrixus floccosus*  
*Anaphothrips orchidaceus*  
*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Anastrepha striata*  
*Anchonus foveifrons*  
*Eucalymnatus tessellatus*  
*Fulvius anthocorides*  
*Iridomyrmex iniquus*  
*Ligyrocoris nitidicollis*  
*Protopulvinaria longivalvata*  
*Pseudischnaspis alienus*  
*Puto ulter*  
*Tenthecoris bicolor*  
*Tenthecoris vestitus*

## HAITI:

*Anastrepha mombinpraeoptans*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Haplothrips gowdeyi*  
*Pectinophora gossypiella*  
*Sinoxylon conigerum*  
*Unaspis citri*

## HAWAII:

*Adoretus sinicus*  
*Amorbia emigratella*  
*Anaphothrips corbetti*  
*Aonidiella inornata*  
*Asterolecanium bambusae*  
*Asterolecanium pustulans*  
*Bradybaena similis*  
*Brevipalpus phoenicis*  
*Caryedon fuscus*  
*Catorama herbarium*  
*Ceratitis capitata*  
*Ceroplastes rubens*  
*Coccus capparidis*  
*Coccus viridis*  
*Coptotermes formosanus*  
*Cryptophlebia illepipa*  
*Cryptotermes brevis*  
*Dacus cucurbitae*  
*Dacus dorsalis*  
*Diocalandra taitensis*  
*Ereunetis flavistriata*  
*Eucalymnatus tessellatus*  
*Euscepes postfasciatus*  
*Ferrisia virgata*  
*Furcaspis biformis*  
*Haplothrips gowdeyi*  
*Iridomyrmex humilis*  
*Lampides boeticus*  
*Lepidosaphes bladhiae* (tentative)  
*Lepidosaphes tokionis*  
*Leucaspis cockerelli*  
*Maruca testulalis*  
*Mimosestes sallaei*  
*Mitrastethus brouni*  
*Nysius coenosulus*  
*Odonaspis greeni*  
*Oxydema fusiforme*  
*Oxydema longulum*  
*Pantomorus godmani*  
*Parlatoria pseudaspidiotus*  
*Pealius hibisci*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Phenacaspis sandwicensis*  
*Pinnaspis buxi*  
*Pinnaspis uniloba*  
*Protaetia fusca*  
*Pseudococcus palmarum*  
*Pulvinaria psidii*  
*Sinoxylon conigerum*  
*Siphanta acuta*



## Countries of Origin and Insects—Continued

## HAWAII—Continued

*Sternochetus mangiferae*  
*Sybra alternans*  
*Syricta oceanica*  
*Taeniothrips hawaiiensis*  
*Taeniothrips vitticornis*  
*Tricentrus albomaculatus*  
*Trionymus lounsburyi*  
*Tuckerella pavoniformis*  
*Xystrocera globosa*

## HONDURAS:

*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Pheidole megacephala*  
*Pseudischnaspis alienus*

## HUNGARY:

*Bruchus brachialis*

## INDIA:

*Anaphothrips corbetti*  
*Aspidiotus destructor*  
*Callosobruchus maculatus*  
*Caryedon fuscus*  
*Chilo simplex*  
*Coccus capparidis*  
*Cylas formicarius*  
*Frankliniella schultzei*  
*Haplothrips gowdeyi*  
*Heterobostrychus aequalis*  
*Lepidosaphes tuberculata*  
*Microcephalothrips abdominalis*  
*Minthea rugicollis*  
*Monomorium destructor*  
*Paraputo taraktogoni*  
*Pectinophora gossypiella*  
*Pinnaaspis exercitata*  
*Sinoxylon anale*  
*Sinoxylon conigerum*  
*Sternochetus mangiferae*

## INDONESIA:

*Dacus caudatus*  
*Furcaspis biformis*  
*Stephanoderes hampei*

## IRELAND:

*Calocoris norvegicus*  
*Diptacus gigantorhynchus*  
*Eriophyes similis*  
*Glycyphagus domesticus*  
*Taeniothrips atratus*  
*Taeniothrips ericae*  
*Taeniothrips vulgatissimus*  
*Thrips flavus*  
*Thrips major*  
*Thrips nigropilosus*

## ISRAEL:

*Asterolecanium pustulans*  
*Ceratitis capitata* (?)  
*Haplothrips gowdeyi*  
*Parlatoria cinerea*  
*Thrips flavus*

## ITALIAN SOMALILAND:

*Orycaenus hyalinipennis*  
*Pectinophora gossypiella*

## ITALY:

*Aglossa cuprealis*  
*Apion carduorum*  
*Apion radiolus*  
*Aspidiotus braunschvigi* (tentative)  
*Aspidiotus britannicus*  
*Autoserica castanea*  
*Brachycerus albidentatus*  
*Brachycerus algeris*  
*Bruchus guttalis*  
*Bruchus rufipes*  
*Bruchus tristis*  
*Cavariella capreae*  
*Ceratitis capitata*  
*Ceroplastes rusci*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Curculio nucum*  
*Dacus oleae*  
*Deroceras reticulatum*  
*Dyspessa ulula*  
*Epidiaspis piricola*  
*Euborellia moesta*  
*Glycyphagus domesticus*  
*Gortyna flavago*  
*Iridomyrmex humilis*

## ITALY—Continued

*Lampetia equestris*  
*Laspeyresia splendana*  
*Lepidosaphes ficus*  
*Lecanium corni*  
*Limax maximus*  
*Mamestra brassicae*  
*Mniophila muscorum*  
*Parlatoria cinerea*  
*Parlatoria oleae*  
*Parlatoria zizyphus*  
*Pectinophora gossypiella*  
*Piezodorus lituratus*  
*Polychrosis botrana*  
*Prays oleellus*  
*Pyrausta nubilalis*  
*Rhagoletis cerasi*  
*Rhynchaenus fagi*  
*Sesamia cretica*  
*Trialeurodes lauri*

## JAMAICA:

*Anastrepha mombinpraeoptans*  
*Caryedon fuscus*  
*Chrysomphalus tenax*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Fundella pellucens*  
*Furcaspis biformis*  
*Leucaspis cockerelli*  
*Monomorium destructor*  
*Palaeopus costicollis*  
*Parallelodiplosis cattleyae*  
*Selenothrips rubrocinctus*  
*Vinsonia stellifera*

## JAPAN:

*Anisolabis marginalis*  
*Anomala cuprea*  
*Anthonomus rectirostris*  
*Aonidiella citrina*  
*Aspidiotus degeneratus*  
*Aspidiotus destructor*  
*Aspidiotus pseudomeyeri* (tentative)  
*Aulacaspis spinosa*  
*Baratha brassicae*  
*Capitophorus formosanus*  
*Ceroplastes ceriferus*  
*Ceroplastes rubens*  
*Chilo simplex*  
*Chionaspis wistariae*  
*Chrysocoris grandis*  
*Deroceras reticulatum*  
*Dialeurodes citri*  
*Dialeurodes kirkaldyi*  
*Diaspis carueli*  
*Ericerus pe-la*  
*Eriococcus abeliceae*  
*Eulachnus piniformosanus* (?)  
*Frankliniella formosae*  
*Grapholitha molesta*  
*Halyomorpha picta*  
*Haplothrips gowdeyi*  
*Laspeyresia splendana*  
*Lepidosaphes kuwacola*  
*Lepidosaphes machili*  
*Lepidosaphes newsteadi*  
*Lepidosaphes pallida*  
*Lepidosaphes tuberculata*  
*Limax marginatus*  
*Listroderes costirostris obliquus*  
*Macrosiphum formosanus*  
*Maruca testulalis*  
*Microcephalothrips abdominalis*  
*Monomorium destructor*  
*Parlatoria camelliae*  
*Parlatoria pyri*  
*Parlatoria zizyphus*  
*Pectinophora gossypiella*  
*Phassus excrescens* (?)  
*Phenacoccus fujicola*  
*Poliaspis pini*  
*Protaetia orientalis*  
*Pseudococcus kraunhiae*  
*Pseudococcus pini*  
*Ptochoryctis tsugensis* (?)  
*Pyrausta nubilalis*  
*Scotinophara lurida*  
*Stephanitis pyrioides*

## Countries of Origin and Insects—Continued

## JAPAN—Continued

*Taeniothrips distalis*  
*Taeniothrips hawaiiensis*  
*Thrips nigropilosus*  
*Unaspis yanonensis*  
*Xyleborus morstatti*

## JOST VAN DYKES:

*Anastrepha mombinpraeoptans*  
*Heterotermes convexinotatus*  
 "Targionia" hartii

## KOREA:

*Phenacaspis aucubae*

## KWAJALEIN:

*Furcaspis oceanica*  
*Lepidosaphes esakii*

## LEBANON:

*Bradybaena similis*  
*Bruchus dentipes*  
*Ceratitis capitata*  
*Cryptoblabes gnidiella*  
*Dacus oleae*

## LEBANON(?):

*Monacha obstructa*

## LIBERIA:

"Targionia" sacchari

## MADAGASCAR:

*Chrysomphalus pinnulifera* (tentative)

## MADEIRA ISLANDS:

*Ceratitis capitata*  
*Chrysomphalus personatus*  
*Haplothrips gowdeyi*  
*Targionia laurina*

## MALTA:

*Ceratitis capitata*

## MARTINIQUE:

*Ancylostomia stercorea*  
*Aulacaspis tubercularis*

## MEXICO:

*Aleurocanthus woglumi*  
*Aleuroglandulus emmae*  
*Aleurotrachelus trachoides*  
*Alloxacis dorsalis*  
*Alpheias conspirata*  
*Amorbia emigratella*  
*Anaphothrips orchidaceus*  
*Anastrepha fraterculus*  
*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Anastrepha suspensa*  
*Antonina graminis*  
*Aphanus umbrosus*  
*Apogonia stali*  
*Aspidiotus destructor*  
*Aspidiotus diffinis*  
*Asterolecanium agavis*  
*Asterolecanium epidendri*  
*Asterolecanium inlabefactum*  
*Asterolecanium pustulans*  
*Aufeius impressicollis*  
*Aulacoscelia elongata*  
*Blissus leucopterus insularis*  
*Bucculatrix thurberiella*  
*Burtinus notatipennis*  
*Chrysomphalus agavis*  
*Chrysomphalus albopictus*  
*Chrysomphalus odontoglossi*  
*Chrysomphalus personatus*  
*Chrysomphalus scutiformis*  
*Chrysomphalus smilacis*  
*Chrysomphalus sphaeroides*  
*Chrysomphalus tenax*  
*Chrysomphalus umboniferus*  
*Conchaspis newsteadi*  
*Conoderus vagus*  
*Conotrachelus aguacatae*  
*Corimelaena elegans*  
*Crociosema plebeiana*  
*Cylas formicarius elegantulus*  
*Dialeurodes citri*  
*Dialeurodes citrifolii*  
*Diorymerellus laevimargo*  
*Draeculacephala producta*  
*Dysdercus flavolimbatus*  
*Epilachna varivestis*  
*Epinotia opposita*  
*Eucalymnatus tessellatus*  
*Eustrophinus marginatus*

## MEXICO—Continued

*Eutetranychus banksi*  
*Exptochiamera oblonga*  
*Ferrisia virgata*  
*Frankliniella fortissima*  
*Fulvius anthocorides*  
*Furcaspis biformis*  
*Galgupha magna*  
*Gerstaeckeria mutillaria*  
*Gnorimoschema gudmannella*  
*Helix aspersa*  
*Icerya palmeri*  
*Laspeyresia leguminis*  
*Lepidosaphes carinata*  
*Lepidosaphes philococcus*  
*Ligyrrus ebenus*  
*Lineodes integra*  
*Macroductylus mexicanus*  
*Macropygium reticulare*  
*Metamasius sericeus carbonarius*  
*Micrapate labialis*  
*Mimosestes sallaei*  
*Moodna bisinuella*  
*Myochrous carinatus*  
*Myodocha longicollis*  
*Neoleucinodes elegantalis*  
*Oncometopia fowleri*  
*Orthezia selaginellae*  
*Paraleyrodes citri* (?)  
*Paraleyrodes goyabae* (?)  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Pinnaspis buxi*  
*Platoeceticus symmicta*  
*Platynota rostrana*  
*Pseudococcus boninsis*  
*Pseudoparlatoria punctata*  
*Rhagoletis pomonella*  
*Sisamnes contractus*  
*Sixeonotus luteiceps*  
*Stenoma catenifer*  
*Talponia batesi*  
 "Targionia" bromiliae  
*Tenthecoris angustimarginatus*  
*Tenthecoris bicolor*  
*Tenthecoris confusus*  
*Tenthecoris vestitus*  
*Tetraleurodes acaciae*  
*Tetraleurodes ursorum*  
*Toxotrypana curvicauda*  
*Trionymus sacchari*  
*Unaspis euonymi*

## MONTSERRAT:

*Asterolecanium miliaris robustum*

## MOROCCO:

*Bouhelia maroccana*  
*Ceratitis capitata*  
*Furcaspis biformis*  
*Parlatoria zizyphus*

## MOZAMBIQUE:

*Ceratitis capitata* (?)

## NETHERLANDS:

*Adoxophyes orana*  
*Allantus cinctus*  
*Anuraphis tulipae*  
*Aphis viburni* (?)  
*Bregmatothrips iridis*  
*Dendrothrips ornatus*  
*Deroceras reticulatum*  
*Dialeurodes chittendeni*  
*Eriophyes canestrinii*  
*Glycyphagus domesticus*  
*Gracilaria azaleella*  
*Lampetia equestris*  
*Lepidosaphes tuberculata*  
*Phytomyza atricornis* (?)  
*Rhagoletis cerasi*  
*Rhynchaenus populi*  
*Sitona lineata*  
*Taeniothrips atratus*

## NEVIS:

*Asterolecanium bambusae*  
*Asterolecanium miliaris miliaris*  
*Asterolecanium miliaris robustum*  
 "Targionia" hartii

## NEW ZEALAND:

*Deroceras reticulatum*  
*Helix aspersa*



## Countries of Origin and Insects—Continued

## NEW ZEALAND—Continued

*Tortrix excessana*  
*Tortrix postvittana*

## NICARAGUA:

*Anastrepha fraterculus*  
*Anastrepha mombinpraeoptans*  
*Aulacaspis tubercularis*  
*Leucaspis cockerelli*  
*Stenoma anonella*

## NORWAY:

*Allantus cinctus*  
*Anuraphis tulipae*

## PALMYRA ISLAND:

*Ferrisia virgata*

## PANAMA:

*Anastrepha distincta*  
*Anastrepha mombinpraeoptans*  
*Anastrepha striata*  
*Ancylostomia stercorea*  
*Aspidiotus destructor*  
*Chrysomphalus scutiformis*  
*Chrysomphalus umboniferus*  
*Furcaspis biformis*  
*Leucaspis cockerelli*  
*Metamasius sericeus*  
*Parlatoria zizyphus*  
*Pinnaspis buxi*  
*Pseudischinaspis alienus*  
*Toxotrypana curvicauda*  
*Vinsonia stellifera*

## PARAGUAY:

*Neoleucinodes elegantalis*

## PERU:

*Epinotia opposita*  
*Euscepes postfasciatus*

## PHILIPPINES:

*Achatina fulica*  
*Aonidiella citrina*  
*Aonidiella inornata*  
*Aspidiotus coryphae*  
*Aspidiotus palmae*  
*Aulacaspis tubercularis*  
*Chrysomphalus tingi*  
*Conarthrus vicinus*  
*Dacus cucurbitae*  
*Deroceras reticulatum*  
*Dialeurodes kirkaldyi*  
*Ferrisia virgata*  
*Lepidosaphes vermiformis*  
*Macrosiphum formosanum*  
*Parlatoria zizyphus*  
*Pheidole megacephala*  
*Pulvinaria psidii*  
*Taeniothrips hawaiiensis*  
*Unaspis yanonensis*

## PORTUGAL:

*Aleyrodes proletella*  
*Apion pomonae*  
*Ceratitis capitata*  
*Curculio elephas*  
*Dacus oleae*  
*Deroceras reticulatum*  
*Iridomyrmex humilis*  
*Laspeyresia splendana*  
*Lecanium corni*  
*Parlatoria camelliae*  
*Parlatoria oleae*  
*Phytomyza atricornis* (?)  
*Rhagoletis cerasi*

## PUERTO RICO:

*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Ancylostomia stercorea*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Euscepes postfasciatus*  
*Maruca testulalis*  
*Pectinophora gossypiella*  
*"Targionia" sacchari*

## ST. KITTS:

*Aleurothrixus myrtacei*  
*Asterolecanium miliaris miliaris*

## ST. MARTIN:

*"Targionia" hartii*

## SAIPAN:

*Achatina fulica*

## SALVADOR:

*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Aspidiotus herculeanus*  
*Aulacaspis tubercularis*  
*Chrysomphalus umboniferus*  
*Leucaspis cockerelli*  
*Pseudischinaspis alienus*  
*"Targionia" bromiliae*  
*Tenthecoris distinguendus*

## SCOTLAND:

*Frankliniella intonsa*  
*Gelechia ericetella*  
*Micrelus ericae*  
*Orthotylus ericetorum*  
*Taeniothrips atratus*  
*Taeniothrips ericae*  
*Taeniothrips vulgatissimus*  
*Thrips flavus*  
*Thrips major*  
*Wachtliella ericina* (?)

## SIERRA LEONE:

*Pseudoparlatoria ostreata*

## SPAIN:

*Brachycerus algirus*  
*Ceratitis capitata*  
*Chilo simplex*  
*Curculio elephas*  
*Dacus oleae*  
*Deroceras reticulatum*  
*Dyspessa ulula*  
*Hypera nigrirostris*  
*Laspeyresia splendana*  
*Limax marginatus*  
*Parlatoria oleae*  
*Parlatoria zizyphus*

## STRAITS SETTLEMENTS:

*Cylas formicarius*

## SUMATRA:

*Parlatoria pseudaspidotus*

## SWEDEN:

*Adoxophyes orana*  
*Aleurotuberculatus similis*  
*Argyresthia conjugella*  
*Hylurgops palliatus*  
*Pityogenes chalcographus*  
*Pogonocherus hispidulus*  
*Stephanitis oberti*  
*Taeniothrips atratus*  
*Thrips nigropilosus*

## SWITZERLAND:

*Frankliniella pallida*  
*Lampetia equestris*  
*Taeniothrips atratus*

## SYRIA:

*Dacus oleae*

## TAHITI:

*Morganella longispina*  
*Sternochetus mangiferae*

## THAILAND:

*Cylas formicarius* var.  
*Dolichotetranychus vanderghooti*  
*Euborellia plebeja*  
*Lepidosaphes tokionis*  
*Parlatoria pseudaspidotus*  
*Sternochetus mangiferae*

## TORTOLA:

*Anastrepha mombinpraeoptans*  
*Ancylostomia stercorea*  
*Cylas formicarius*  
*Euscepes postfasciatus*  
*"Targionia" hartii*

## TRANSVAAL:

*Brithys pancratii*  
*Pheidole megacephala*

## TRINIDAD:

*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Anastrepha suspensa*  
*Ancylostomia stercorea*  
*Aulacaspis tubercularis*  
*Chrysomphalus umboniferus*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Euscepes postfasciatus*  
*Ferrisia virgata*

TRINIDAD—Continued

- Furcaspis biformis*
- Leucaspis cockerelli*
- Mimosestes dominicanus*
- Mimosestes sallaei*
- Nasutitermes nigriceps*
- Parlatoria cinerea*
- Pectinophora gossypiella*
- Pinnaspis buxi*
- Protopulvinaria longivalvata*
- "*Targionia*" *sacchari*
- Toxotrypana curvicauda*
- Unaspis citri*
- Vinsonia stellifera*

TURKEY:

- Ceratitis capitata*
- Lepidosaphes ficus*
- Macroplox fasciata*
- Pectinophora gossypiella*
- Sesamia cretica*

UNION OF SOUTH AFRICA:

- Aspidiotus pectinatus* (tentative)
- Asterolecanium stentae*
- Ceratitis capitata* (?)
- Chionaspis leucadendri*
- Cryptophlebia leucotreta*
- Dacus ciliatus* (?)
- Frankliniella schultzei*
- Haplothrips nigricornis*
- Haplothrips wouramboulchii*
- Iridomyrmex humilis*
- Kaloterms durbanensis*
- Lampetia equestris*
- Pheidole megacephala*
- Phlyctinus callosus*
- Pseudaspidopectus fulleri*
- Pseudothrips glaucus*

UNION OF SOUTH AFRICA—Continued

- Selenaspidus portulacariae*
- Specularius impressothorax*
- UNKNOWN:
- Ceratitis capitata*
- Chilo simplex*
- Frankliniella intonsa*
- Orthezia praelonga*
- Stephanoderes hampei*
- Taeniothrips atratus*
- Taeniothrips dianthi*
- Taeniothrips vulgatissimus*
- Thrips flavus*
- Thrips major*
- Unaspis yanonensis*

URUGUAY:

- Epinotia opposita*
- VENEZUELA:
- Aganactesis indecora*
- Anastrepha fraterculus* (?)
- Capaneus tetricus*
- Chrysomphalus umboniferus*
- Coccus viridis*
- Eurytoma orchidearum*
- Fundella pelluscens* (?)
- Furcaspis biformis*
- Monomorium destructor*
- Pseudischnaspis alienus*
- Tetraleurodes acaciae*
- Vinsonia stellifera*

WAKE ISLAND:

- Anomala viridana*
- WEST INDIES:
- Leucaspis cockerelli*

YUGOSLAVIA:

- Ceratitis capitata*
- Curculio elephas*
- Laspeyresia splendana*

Pests (diseases) collected and reported from July 1, 1952, through June 30, 1953

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Aecidium mozinnae</i> Arth.:					
<i>Jatropha spathulata</i>	Mexico	1			Tex.
<i>Alternaria dianthi</i> F. L. Stevens & J. G. Hall:					
<i>Dianthus barbatus</i> (sweet-william)	Canada			1	N. Y.
<i>Dianthus</i> sp. (carnation)	France, Japan	1	3		Hawaii, Pa., Wash.
<i>Aphelenchoides bicaudatus</i> Imamura:					
<i>Dracaena</i> sp.	Brazil		1		Pa.
<i>Aphelenchoides ritzema-bosi</i> (Schwartz) (?):					
<i>Chrysanthemum</i> sp.	Japan			1	Calif.*
<i>Aphelenchoides subtenuis</i> Cobb:					
<i>Narcissus</i> sp.	Italy			7	N. Y.
<i>Apiospora punctum</i> Sacc. & Speg.:					
Bamboo	Japan		1		Md.
<i>Apiospora rhododendri</i> Oud.:					
<i>Rhododendron</i> sp.	England			1	Wash.
<i>Aschersonia aleyrodis</i> Webber:					
<i>Chamaedorea</i> sp. (palm)	Mexico	1			Tex.
<i>Ascochyta citri</i> Penz:					
<i>Citrus paradisi</i> (grapefruit)	Canal Zone		1		Calif.*
<i>Asochyta hesperidearum</i> Penz.:					
<i>Citrus sinensis</i> (orange)	Mexico, Turkey	2			Pa., Tex.
<i>Ascochyta magnoliae</i> Thuem.:					
<i>Magnolia</i> sp.	Netherlands			1	Wash.
<i>Ascochyta pisi</i> Lib.:					
<i>Vicia</i> sp.	Chile			1	D. C.
<i>Ascochyta trigonellae</i> Trav. & Spessa:					
<i>Trigonella</i> sp.	Turkey			1	D. C.
<i>Asperisporium caricae</i> (Speg.) Maubl.:					
<i>Carica papaya</i>	Cuba, Mexico	1	1		Tex.



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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Botryosphaeria berengeriana</i> de N.f. <i>araucariae</i> Sacc.:					
<i>Araucaria araucana</i> .....	Italy.....			1	N. J.
<i>Botryosphaeria ribis</i> Gross. & Dug.:					
<i>Crataegus</i> sp.....	Netherlands.....			1	N. J.
<i>Duvalia</i> sp.....	Kenya.....			1	N. J.
<i>Botrytis elliptica</i> (Berk.) Cke.:					
<i>Lilium auratum</i> (goldband lily).....	Japan.....			10	Calif.*, Hawaii.
<i>Lilium auratum platyphyllum</i> .....	do.....			2	Calif.*
<i>Lilium japonicum</i> (Japanese lily).....	do.....			5	Calif.*
<i>Lilium speciosum rubrum</i> (pink speciosum lily).....	do.....			3	Calif.*
<i>Lilium tigrinum</i> (tiger lily).....	do.....			2	Calif.*
<i>Botrytis gladiolorum</i> Timmerm.:					
<i>Acidanthera</i> sp.....	Netherlands.....			1	N. J.
<i>Gladiolus gandavensis</i> (breeders gladiolus).....	Japan.....			2	Calif.*
<i>Gladiolus</i> sp.....	Germany, Japan, Mexico.	1		3	Calif.*, D. C., N. Y.
<i>Briosia azaleae</i> (Pk.) Dearn.:					
<i>Rhododendron</i> Chintz.....	England.....			1	N. J.
<i>Catacauma sabal</i> Chardon (?):					
Palm.....	Mexico.....	1			Tex.
<i>Cephalosporium roseum</i> Cda.:					
<i>Oryza sativa</i> (rice).....	Portugal.....	1			Minn.
<i>Cercospora angreci</i> Roum.:					
<i>Odontioda</i> Madeline (orchid).....	Belgium.....			1	N. J.
<i>Cercospora centrosema</i> Chupp & Muller:					
<i>Centrosema pubescens</i> .....	Salvador.....			1	D. C.
<i>Cercospora coffeicola</i> Berk. & Cke.:					
<i>Coffea</i> sp.....	Mexico.....	1			Tex.
<i>Cercospora handelii</i> Bub.:					
<i>Rhododendron indicum</i> (indica azalea).....	Belgium.....			1	N. J.
<i>Rhododendron</i> sp.....	Netherlands.....			2	N. J.
<i>Cercospora malayensis</i> F. L. Stevens & Solh.:					
<i>Hibiscus esculentus</i> (okra).....	Cuba.....	1			La.
<i>Cercospora mirabilis</i> Tharp:					
<i>Bougainvillea</i> sp.....	Canal Zone.....			1	Fla.
<i>Cercospora musae</i> Zimm.:					
<i>Musa paradisiaca</i> (plantain).....	Puerto Rico.....	1			P. R.
<i>Musa paradisiaca sapientum</i> (banana).....	Canal Zone, Ecuador, Guatemala, Mexico, Trinidad.	10	1		Ala., Calif.*, Tex.
<i>Cercospora neriella</i> Sacc.:					
<i>Nerium oleander</i> (oleander).....	Bermuda.....			1	Md.
<i>Cercospora oryzae</i> I. Miyake:					
<i>Oryza sativa</i> (rice).....	Mexico.....	1			Tex.
<i>Cercospora pini-densiflorae</i> Hori & Nambu:					
<i>Pinus parviflora</i> (Japanese white pine).....	Japan.....			1	Calif.*
<i>Cercospora purpurea</i> Cke.:					
<i>Persea americana</i> (avocado).....	Mexico.....	2			Tex.
<i>Cercospora rhododendri</i> Em. Marchal & Verpl.:					
<i>Rhododendron</i> sp.....	Netherlands.....			1	N. J.
<i>Cerebella andropogonis</i> Ces.:					
<i>Bothriochloa insculpta</i> .....	Kenya.....			1	D. C.
<i>Heteropogon contortus</i> (tanglehead).....	Tanganyika.....			1	D. C.
<i>Hyparrhenia lintonii</i> .....	Kenya.....			1	D. C.
<i>Hyparrhenia</i> sp.....	Madagascar.....			1	D. C.
<i>Paspalum dilatatum</i> (Dallis grass).....	Australia.....			1	N. Y.
<i>Ceuthospora lunata</i> Shear:					
<i>Andromeda</i> sp.....	Netherlands.....			1	N. J.
<i>Leucothoe catesbaei</i> (drooping leucothoe).....	do.....			1	N. J.
<i>Leucothoe</i> sp.....	do.....			1	N. J.
<i>Chaetomella atra</i> Fekl.:					
Orchid.....	Mexico.....			1	Tex.
<i>Chaetomium contortum</i> Bainier:					
<i>Solanum tuberosum</i> (potato).....	Netherlands.....		1		Calif.*
<i>Chrysomyxa rhododendri</i> (DC.) d By.:					
<i>Rhododendron azaleodendron</i> .....	England.....			1	N. J.
<i>Rhododendron ferrugineum</i> .....	Austria, Switzerland.....	12		2	N. J., N. Y.
<i>Rhododendron</i> sp.....	Switzerland.....	2			Calif.*, N. J.
<i>Claviceps paspali</i> F. L. Stevens & J. G. Hall:					
<i>Paspalum notatum</i> (bahia grass).....	Brazil.....			1	D. C.
<i>Claviceps purpurea</i> (Fr.) Tul.:					
<i>Arrhenatherum</i> sp.....	Chile.....			1	D. C.

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<i>Coleosporium bletiae</i> Diet.:					
<i>Phajus wallichii</i> (orchid)	India			1	N. J.
<i>Coleosporium dahliae</i> Arth.:					
<i>Dahlia</i> sp.	Mexico	1			Tex.
<i>Coleosporium domingense</i> (Berk.) Arth.:					
<i>Plumeria</i> sp.	Canal Zone			1	Fla.
<i>Coleosporium solidaginis</i> (Schw.) Thuem.:					
<i>Aster</i> sp.	Japan		1		Wash.
<i>Colletotrichum agaves</i> Cav.:					
<i>Agave</i> sp.	Italy, Mexico			3	N. J., Tex.
<i>Colletotrichum arecae</i> Syd.:					
<i>Areca cathecu</i> (betel palm)	Guam	1			D. C.
<i>Colletotrichum coffeanum</i> Noack:					
<i>Coffea</i> sp. (coffee)	Hawaii			1	Hawaii.
<i>Colletotrichum erythrinae</i> Ell. & Ev.:					
<i>Erythrina</i> sp.	Mexico			1	Tex.
<i>Colletotrichum fructus</i> (F. L. Stevens & J. G. Hall) Sacc.:					
<i>Pyrus communis</i> (pear)	Denmark		1		Pa.
<i>Colletotrichum gliricidae</i> Syd.:					
<i>Gliricidia sepium</i>	Cuba	1			D. C.
<i>Colletotrichum graminicolum</i> (Ces.) G. W. Wils.:					
<i>Axonopus compressus</i> (carpet grass)	Uruguay			1	D. C.
<i>Bromus catharticus</i> (rescue brome grass)	Natal			1	D. C.
Grass packing	Mexico	1			Ariz.
<i>Sorghum vulgare</i> (sorghum) (?)	do	1			Tex.
<i>Sorghum vulgare technicum</i> (broomcorn)	do	1			Tex.
<i>Colletotrichum liliacearum</i> (Schw.) Ferr.:					
<i>Allium kansuense</i>	Canada			1	Calif.*
<i>Iris ensata</i> (Russian iris)	Japan			1	Calif.*
<i>Iris feotidissima</i> (gladwin iris)	England			1	Calif.*
<i>Iris germanica</i> (German iris)	Australia, Canada, England, Germany, New Zealand.			12	Calif.*
<i>Iris pseudacorus</i> (yellowflag iris)	England			1	Calif.*
<i>Iris unguicularis</i> (Algerian iris)	do			1	Calif.*
<i>Iris</i> sp.	do			3	Calif.*
<i>Lilium auratum</i> (goldband lily)	Japan	1		4	Calif.*, Oreg.
<i>Lilium giganteum</i> (giant lily)	do			1	Calif.*
<i>Lilium longiflorum</i> (Easter lily)	Japan, Okinawa			4	Calif.*
<i>Lilium makinoi</i> (bamboo lily)	Japan			2	Calif.*
<i>Lilium pomponium</i> (pompon lily)	do			1	Hawaii.
<i>Lilium speciosum</i> (speciosum lily)	do	1			Calif.*
<i>Lilium speciosum rubrum</i> (pink speciosum) lily	do			5	Calif.*
<i>Lilium</i> sp.	do	2		4	Calif.*
<i>Colletotrichum philodendri</i> P. Henn.:					
<i>Philodendron</i> sp.	Mexico			3	Tex.
<i>Colletotrichum trichella</i> (Fr.) Duke:					
<i>Fatshedera</i> sp.	Belgium			1	N. J.
<i>Colletotrichum yuccae</i> Poll.:					
<i>Agave</i> sp.	Italy			1	N. J.
<i>Coniosporium palmicola</i> Tracy & Earle:					
<i>Cocos nucifera</i> (coconut)	Tahiti	1			Calif.*
<i>Coniothecium chomatosporum</i> Cda.:					
<i>Malus sylvestris</i> (apple)	Mexico, Philippines	2			Hawaii, Tex.
<i>Coniothyrium cytisellum</i> (Pass. & Thuem.) Sacc.:					
<i>Laburnum watereri</i> (waterer laburnum)	Netherlands			37	N. J.
<i>Laburnum</i> sp.	do			1	N. J.
<i>Coniothyrium hellebori</i> Cke. & Mass.:					
<i>Helleborus lividus</i>	England			1	N. J.
<i>Helleborus niger</i> (Christmas-rose)	England, Netherlands			14	N. J., N. Y., Wash.
<i>Helleborus orientalis</i>	Netherlands			1	N. J.
<i>Helleborus</i> spp.	do			2	N. J.
<i>Coniothyrium olivaceum</i> Bon.:					
<i>Wisteria</i> sp.	Japan			1	Calif.*
<i>Coniothyrium rhododendri</i> P. Henn.:					
<i>Rhododendron</i> sp.	England			1	Wash.
<i>Coniothyrium stanhopeae</i> P. Henn.:					
Orchid	Mexico			1	Ariz.
<i>Coniothyrium viburni</i> Died.:					
<i>Viburnum burkwoodii</i>	Netherlands			1	N. J.



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<i>Cordana musae</i> (Zimm.) Hoehn.:					
<i>Musa paradisiaca</i> (plantain).....	Puerto Rico.....	1			P. R.
<i>Musa paradisiaca sapientum</i> (banana).....	Ecuador.....	2			Calif.*
<i>Coryneum carpophilum</i> (Lev.) Jauch:					
<i>Prunus armeniaca</i> (apricot).....	Mexico.....	1			Tex.
<i>Coryneum microstictum</i> Berk. & Br.:					
<i>Paeonia lutea</i> (golden peony).....	England.....			1	N. J.
<i>Cryptodiaporthe salicella</i> (Fr.) Wehm.:					
<i>Salix</i> sp.....	Denmark.....			1	N. J.
<i>Cryptodidymosphaeria clandestina</i> Syd.:					
<i>Panicum</i> sp.....	Ecuador.....	1			Calif.*
<i>Cryptospora longispora</i> Servazzi:					
<i>Araucaria excelsa</i> (Norfolk-Island-pine).....	Australia.....			1	Calif.*
<i>Cryptovalsa rabenhorstii</i> (Nits.) Sacc.:					
<i>Wisteria</i> sp.....	Japan.....			1	Calif.*
<i>Cucurbitaria berberidis</i> (Fr.) S. F. Gray:					
<i>Berberis linearifolia</i> (jasperbell barberry).....	Belgium.....			1	Wash.
<i>Cylindrocarpon candidum</i> (Lk.) var. <i>minus</i> Wr.:					
<i>Laburnum watereri</i> (waterer laburnum).....	Netherlands.....			1	N. J.
<i>Cymadothea trifolii</i> (Fr.) Wolf:					
<i>Trifolium</i> sp.....	Turkey.....			1	D. C.
<i>Cytospora palmarum</i> Cke. (?):					
<i>Cocos nucifera</i> (coconut).....	South Pacific.....	1			Calif.*
<i>Cytospora subcypeata</i> Sacc. (?):					
<i>Rhododendron</i> sp.....	England.....			1	Wash.
<i>Dasyscypha virginea</i> (Fr.) Fekl.:					
<i>Rhododendron</i> sp.....	Netherlands.....			1	Wash.
<i>Dendrophoma obscurans</i> (Ell. & Ev.) H. W. Anderson:					
<i>Fragaria</i> sp.....	Japan.....			1	N. J.
<i>Didymium minus</i> (List.) Morg:					
<i>Musa paradisiaca sapientum</i> (banana).....	Mexico.....	1			Tex.
<i>Diplodia ananassae</i> Sacc.:					
<i>Ananas comosus</i> (pineapple).....	do.....	1			Tex.
<i>Diplodia epicocos</i> Cke.:					
<i>Cocos nucifera</i> (coconut).....	Brazil.....			1	N. J.
<i>Diplodia paraphysaria</i> Sacc.:					
<i>Cattleya</i> sp. (orchid).....	Venezuela.....			1	Tex.
Orchid.....	Costa Rica, Mexico.....			2	Ariz., Fla.
<i>Diplodia theobromae</i> (Pat.) Nowell:					
<i>Castanea</i> sp. (chestnut).....	Japan.....	1			Tex.
<i>Diplodina eurhododendri</i> Voss.:					
<i>Rhododendron</i> sp.....	England.....			2	Wash.
<i>Diplodina rostrupii</i> Vest.:					
<i>Andromeda</i> sp.....	Netherlands.....			1	N. J.
<i>Leucothoe</i> sp.....	do.....			1	N. J.
<i>Discella strobilina</i> (Desm.) Died.:					
<i>Picea abies</i> (Norway spruce).....	Germany.....	1			N. Y.
<i>Discosia artocreas</i> Fr.:					
<i>Camellia</i> sp.....	Japan.....			2	Calif.*
<i>Ditylenchus dipsaci</i> (Kuhn) Filip.:					
<i>Narcissus</i> sp.....	Italy.....			1	N. Y.
<i>Ditylenchus</i> sp. (undescribed)					
<i>Iris filifolia</i> (Gibraltar iris).....	France.....			1	Calif.*
<i>Iris xiphioides</i> (English iris).....	Netherlands.....			1	N. J.
<i>Iris</i> sp.....	France.....			2	N. Y.
<i>Elsinoe australis</i> Bitanc. & Jenkins:					
<i>Citrus aurantifolia</i> (sour lime).....	Argentina, Brazil.....	1	5		Calif.*, La., Pa., Tex.
<i>Citrus aurantium</i> (sour orange).....	Brazil.....		1		Pa.
<i>Citrus limon</i> (lemon).....	Argentina, Brazil, Paraguay.....		31		La., Md., Mass., N. Y., Pa., Tex.
<i>Citrus reticulata</i> (Mandarin orange).....	Brazil.....	1	2		N. Y.
<i>Citrus sinensis</i> (orange).....	Argentina, Brazil, Uruguay.....	2	64		Ala., Calif.*, Fla.,* La., Md., Mass., N. Y., Pa., Tex., Va.
<i>Elsinoe phaseoli</i> Jenkins:					
<i>Phaseolus lunatus macrocarpus</i> (lima bean).....	Puerto Rico.....	1			P. R.

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
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<i>Endoconidiophora fimbriata</i> (Ell. & Halst.) Davidson:					
<i>Ipomoea batatas</i> (sweetpotato)-----	Japan-----		1		Calif.*
<i>Entyloma oryzae</i> Syd. & P. Syd.:					
<i>Oryza sativa</i> (rice)-----	China, Japan, Mexico--	6	1		Calif.,* Ha-waii, Tex.
<i>Epicoccum cocos</i> F. L. Stevens:					
<i>Cocos nucifera</i> (coconut)-----	Korror Island, Truk Island, Yap Island.	4			Guam, Ha-waii.
<i>Eutypella stellulata</i> (Fr.) Sacc.:					
<i>Morus</i> sp. (mulberry)-----	Bahamas-----			1	Tex.
<i>Exobasidium vaccinii</i> (Fckl.) Wor.:					
<i>Rhododendron</i> sp-----	Germany, Netherlands--		1	1	N. Y., Pa.
<i>Exosporium cactorum</i> Petr. & Clf.:					
Cactus-----	Mexico-----	1			Tex.
<i>Fusarium diversisporum</i> Sherb.:					
<i>Carica papaya</i> (papaya)-----	do-----		1		Tex.
<i>Fusarium gramineum</i> Cda.:					
<i>Axonopus compressus</i> (carpet grass)-----	Uruguay-----			1	D. C.
<i>Fusarium heterosporum</i> Nees.:					
<i>Paspalum dilatatum</i> (Dallis grass)-----	Australia-----			1	N. Y.
<i>Fusarium juruanum</i> P. Henn.:					
<i>Citrus grandis</i> (pummelo)-----	Thailand-----			1	Hawaii.
<i>Fusarium lateritium</i> Nees.:					
<i>Citrus grandis</i> -----	Tahiti-----		1		Hawaii.
<i>Fusarium oxysporum</i> Schlecht. f. <i>cepa</i> (Hanz.)					
Snyd. & Hansen:					
<i>Allium cepa</i> (onion)-----	Mexico-----	1			Tex.
<i>Fusarium oxysporum</i> Schlecht. f. <i>gladioli</i> (Massey)					
Snyd. & Hansen:					
<i>Gladiolus</i> sp-----	Japan, Mexico, Netherlands.			3	Calif.*, Tex.
<i>Fusarium solani</i> (Mart.) Appel & Wr. (?):					
<i>Cymbidium</i> var-----	Australia-----			9	Hawaii.
<i>Fusicladium dendriticum</i> (Wallr.) Fckl.:					
<i>Malus sylvestris</i> (apple)-----	Australia, Austria, Mexico.	2	1		Minn., P. R., Tex.
<i>Fusicladium eriobotryae</i> (Cav.) Sacc.:					
<i>Eriobotrya japonica</i> (loquat)-----	Portugal-----		1		P. R.
<i>Fusicladium pirinum</i> (Lib.) Fckl.:					
<i>Pyrus communis</i> (pear)-----	Netherlands, Spain-----		2		P. R., Tex.
<i>Fusicladium pyracanthae</i> (Otth.) Rostr.:					
<i>Pyracantha coccinea</i> -----	Netherlands-----			1	N. J.
<i>Pyracantha</i> sp-----	do-----			2	N. J.
<i>Gloeosporium catechu</i> Syd.:					
<i>Areca cathecu</i> (betel palm)-----	Guam-----	1		1	Calif.*
<i>Gloeosporium cinctum</i> Berk. & Curt.:					
<i>Acineta superba</i> (orchid)-----	Canal Zone-----			1	Fla.
Orchid-----	Trinidad-----			1	P. R.
<i>Gloeosporium concentricum</i> Berk. & Br.:					
<i>Brassica oleracea botrytis</i> (cauliflower)-----	England-----		1		Pa
<i>Gloeosporium folliicolum</i> Nish.:					
<i>Citrus reticulata</i> (Mandarin orange)-----	Japan-----		1		Hawaii.
<i>Gloeosporium leguminum</i> (Cke.) Sacc.:					
<i>Prosopis strombulifera</i> -----	Argentina-----			1	D. C.
<i>Gloeosporium philodendri</i> Speg.:					
<i>Philodendron</i> sp-----	Mexico-----			1	Tex.
<i>Gloeosporium piperatum</i> Ell. & Ev.:					
<i>Capsicum frutescens</i> (pepper)-----	Brazil-----		1		N. Y.
<i>Gloeosporium rhododendri</i> Br. & Cav.:					
<i>Rhododendron repens</i> var-----	England-----			1	N. Y.
<i>Gloeosporium sansevieriae</i> Verwoerd & Duplessis:					
<i>Sansevieria</i> sp-----	Canal Zone-----			1	Calif.
<i>Glomerella cincta</i> (Ston.) Spauld. & Schrenk:					
Araceae-----	Mexico-----			1	Fla.
<i>Philodendron</i> sp-----	do-----			1	Tex.
<i>Graphis scripta</i> Ach.:					
<i>Chaenomeles</i> sp-----	Japan-----			1	Calif.*
<i>Gymnosporangium haraeaeum</i> Syd.:					
<i>Juniperus chinensis</i> (Chinese juniper)-----	do-----			4	Calif.
<i>Juniperus</i> sp-----	do-----			8	Hawaii.
<i>Gymnosporangium sabiniae</i> (Dicks.) Wint.:					
<i>Juniperus chinensis pfitzeriana</i> -----	Germany, Netherlands--			4	N. J.



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<i>Gymnosporangium yamadai</i> Ideta: <i>Malus sylvestris</i> (apple).....	Japan.....	---	1	---	La.
<i>Helminthosporium avenae</i> Eidam: <i>Avena</i> sp.....	Belgium, England.....	2	---	---	Calif.*
<i>Helminthosporium cynodontis</i> Marig.: <i>Cynodon transvaalensis</i> .....	Australia.....	---	---	1	D. C.
<i>Helminthosporium oryzae</i> B. de Haan: <i>Oryza sativa</i> (rice).....	Japan, Mexico, Nicaragua, Philippines, Sierra Leone.	20	23	---	Calif.*, Pa., Tex.
<i>Helminthosporium ravenelii</i> Curt.: <i>Sporobolus poireti</i> (rattail smut grass).....	Brazil.....	---	---	1	D. C.
<i>Helminthosporium turcicum</i> Pass.: <i>Oryza sativa</i> (rice).....	Greece.....	1	---	---	P. R.
<i>Hendersonia citri</i> McAlp.: <i>Citrus sinensis</i> (orange).....	Mexico.....	1	---	---	Tex.
<i>Hendersonia epidendri</i> Keissl.: <i>Stanhopea</i> sp. (orchid).....	do.....	---	---	1	Tex.
<i>Hendersonia musae</i> Cke.: <i>Musa paradisiaca sapientum</i> (banana).....	Guatemala.....	1	---	---	Tex.
<i>Hendersonia paeoniae</i> Allesch.: <i>Paeonia suffruticosa</i> (tree peony).....	Japan.....	---	---	1	Calif.*
<i>Heterodera avenae</i> Eidam: Sand ballast.....	England.....	1	---	---	Pa.
Soil.....	Netherlands.....	1	---	---	N. Y.
Soil with asparagus roots.....	France.....	---	---	1	N. J.
Soil with bagging.....	England, France, Netherlands, Scotland.	16	---	---	N. Y., Pa., Va.
Soil with cactus and grape cuttings.....	Italy.....	---	---	1	N. Y.
Soil with <i>Chrysanthemum</i> sp. and <i>Convallaria</i> sp.....	Germany.....	---	---	1	N. J.
Soil with dahlia roots.....	Belgium.....	---	---	1	N. Y.
Soil with fig cuttings.....	Italy.....	---	---	1	N. Y.
Soil with garlic.....	Spain.....	1	---	---	N. Y.
Soil with geranium plants.....	France, Sweden.....	---	---	2	N. Y.
Soil with herbs.....	Germany.....	---	---	1	N. Y.
Soil with <i>Malus</i> sp. roots.....	Italy.....	---	---	1	N. J.
Soil with mint plants.....	Germany.....	---	---	1	N. Y.
Soil with narcissus and galanthus bulbs.....	do.....	---	---	1	N. Y.
Soil with <i>Oleander</i> sp. plants.....	Yugoslavia.....	---	---	1	N. Y.
Soil with parsnips.....	Union of South Africa.....	---	1	---	Mass.
Soil with assorted plants.....	Germany, Ireland.....	---	---	2	N. Y.
Soil with plum trees.....	Germany.....	---	---	1	N. Y.
Soil with potatoes.....	Gibraltar (?), Mexico, Spain.	3	3	---	N. Y., P. R., Tex.
Soil with sand ballast.....	Wales (?).....	1	---	---	N. Y.
Soil with sedum plants.....	Netherlands.....	---	---	1	N. Y.
Soil with shrubs.....	Germany.....	---	---	1	N. J.
<i>Heterodera cacti</i> Filip. & Schuurmans Stekhoven: Soil with aloe plants.....	Majorca Island.....	---	---	1	Mass.
Soil with aloe and sedum plants.....	France.....	---	---	1	N. Y.
Soil with aloe, cactus, and sedum plants.....	Malta.....	---	---	1	N. Y.
Soil with cactus plants.....	Czechoslovakia, England, France, Germany, Italy, Mexico, Switzerland.	1	---	9	Mass., N. J., N. Y., Tex.
Soil with <i>Delphinium</i> sp. roots.....	Canada.....	---	---	1	N. J.
Soil with lily bulbs.....	Japan.....	---	---	1	N. Y.
Soil with <i>Mammillaria</i> sp. roots.....	Mexico.....	---	---	1	Tex.
Soil with potatoes.....	do.....	---	1	---	Tex.
<i>Heterodera leptonepia</i> Taylor & G. S. Cobb: Soil with potatoes.....	Peru.....	---	1	---	Calif.*
<i>Heterodera punctata</i> Thorne: Soil.....	Netherlands, Norway.....	1	1	---	Md., N. Y.
Soil with bagging.....	England, France, Netherlands, Scotland.	11	---	---	N. Y., Va.
Soil with beech tree.....	Ireland.....	---	---	1	N. Y.
Soil with carnation plants.....	Austria.....	---	---	1	N. Y.
Soil with delphinium plants.....	England.....	---	---	1	N. Y.
Soil with <i>Fragaria</i> sp. roots.....	Sweden.....	---	---	1	N. J.
Soil with geranium plant.....	England.....	---	---	1	N. Y.
Soil with heather plants.....	Scotland.....	---	---	2	N. Y.
Soil with lily, peony, and unidentified bulbs and roots.....	France.....	---	---	1	N. J.

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<i>Heterodera punctata</i> Thorne—Continued					
Soil with narcissus bulbs.....	Netherlands.....	1			N. Y.
Soil with orchid plants.....	England, Netherlands.....			2	N. J.
Soil with unidentified plants.....	Germany, Italy, Mexico.....			5	Ariz., Mass., N. Y.
Soil with potatoes.....	Netherlands.....		1		La.
Soil with rose plants.....	England.....			1	N. J.
Soil with rosemary plants.....	Austria.....	1			N. Y.
Soil with snowdrop plants.....	England.....			1	N. Y.
Soil with sod.....	Ireland.....			1	N. Y.
Soil with thyme plants.....	Germany.....			1	N. Y.
Soil with valerian roots.....	Belgium.....	1			N. Y.
Soil with wandering jew plants.....	Germany.....			1	N. Y.
<i>Heterodera rostochiensis</i> Wr.:					
Soil.....	Scotland.....	1			N. Y.
Soil with African violet plants.....	Germany.....			1	N. Y.
Soil with amaryllis bulbs.....	Denmark.....			1	N. Y.
Soil with azalea plants.....	Scotland.....			1	N. Y.
Soil with bagging.....	Denmark, England, Germany, Netherlands, Scotland.....	49			Calif.*, Md., N. Y., Pa., Va., Wash.
Soil with colcus plants.....	England.....			1	N. Y.
Soil with dahlia tubers.....	do.....			1	N. J.
Soil with fuschia plants.....	do.....			1	N. Y.
Soil with <i>Galanthus</i> sp. bulbs.....	Luxembourg.....			1	N. J.
Soil with geranium plants.....	England.....			1	N. Y.
Soil with heather plants.....	Scotland.....			3	Mass., N. J., N. Y.
Soil with lavender plants.....	England.....			1	N. Y.
Soil with lily plants.....	do.....			1	N. J.
Soil with mint plants.....	do.....			2	N. Y.
Soil with peat moss.....	Germany.....	1			Va.
Soil with unidentified plants.....	England, Ireland, Wales.....			4	N. Y.
Soil with potatoes.....	England, France, Germany, Mexico, Peru.....	2	5		Calif.*, La., Mass., N. Y., Pa., Tex.
Soil with primrose plants and begonia bulbs.....	Germany.....			1	N. Y.
Soil in railway car.....	Mexico.....		1		Tex.
Soil with rose plants.....	Scotland.....			1	N. Y.
Soil with rosemary plants.....	Austria.....	1			N. Y.
Soil with rubber plants.....	Germany.....			1	N. Y.
Soil with <i>Scilla</i> sp. bulbs.....	England.....			1	N. Y.
Soil with snowdrop plants.....	do.....			1	N. Y.
Soil with sod.....	Ireland.....			1	N. Y.
Soil with thyme plants.....	Germany.....			1	N. Y.
<i>Heterosporium avenae</i> Oud.:					
<i>Avena sativa</i> (oat).....	Australia.....	1			Oreg.
<i>Heterosporium avenae</i> Oud. (?):					
<i>Hordeum vulgare</i> (barley).....	Mexico.....	1			Tex.
<i>Heterosporium echinulatum</i> (Berk.) Cke.:					
<i>Dianthus</i> sp. (carnation).....	Guatemala, Mexico.....	2			Calif.*, Tex.
<i>Heterosporium ornithogali</i> (Klotzsch) Cke.:					
<i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....	3			N. Y., Pa.
<i>Hyponectria aureo-nitens</i> (Tul.) Petch:					
Bamboo.....	Mexico.....	1			Tex.
<i>Hypoxyton marginatum</i> (Schw.) Berk.:					
<i>Quercus</i> sp.....	Japan.....	1			Hawaii.
<i>Leptosphaeria heterospora</i> (de N.) Sacc.:					
<i>Iris atropurpurea</i> (blackpurple iris).....	Netherlands.....			1	Calif.*
<i>Iris germanica</i> (German iris).....	Australia, Canada, England, New Zealand.....			10	Calif.*
<i>Iris hoogiana</i> .....	Netherlands.....			2	Calif.*
<i>Iris korolkowi</i> (redvein iris).....	England, Netherlands.....			4	Calif.*
<i>Iris pumila</i> .....	Turkey.....			1	N. J.
<i>Iris stolonifera</i> (runner iris).....	Netherlands.....			2	Calif.*
<i>Iris stolonifera leichtlini</i> .....	do.....			1	Calif.*
<i>Iris susiana</i> (mourning iris).....	England, Netherlands.....			4	Calif.*
<i>Iris</i> sp.....	Canada, England, Italy, Netherlands, Turkey.....			21	Calif.*, N. J.
<i>Leptosphaeria opuntiae</i> Dodge:					
<i>Stenocactus</i> sp.....	Mexico.....			1	Tex.
<i>Leptosphaeria oryzina</i> Sacc.:					
<i>Oryza sativa</i> (rice).....	Nicaragua.....	1			Calif.*



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<i>Leptosphaeria rusci</i> Sacc.:					
<i>Ruscus</i> sp.	Italy	1			Pa.
<i>Leptosphaeria sacchari</i> B. de Haan:					
<i>Saccharum officinarum</i> (sugarcane)	Mexico	1			Tex.
<i>Lophodermium minutum</i> Hilitzer:					
<i>Stipa tenacissima</i> (esparto-grass)	Italy	1			N. Y.
<i>Lophodermium rhododendri</i> (Schw.) Ell. & Ev.:					
<i>Rhododendron</i> sp.	Canada, England			3	Wash.
<i>Macrophoma candollei</i> (Berk. & Br.) Berl. & Vogl.:					
<i>Buxus sempervirens</i> (box)	Netherlands			1	Wash.
<i>Buxus</i> sp.	do			1	Wash.
<i>Macrophoma musae</i> (Cke) Berl. & Vogl.:					
<i>Musa paradisiaca sapientum</i> (banana)	Ecuador, Mexico, Panama.	5			Calif.*
<i>Macrophomina phaseolina</i> (Tassi) Goid.:					
<i>Gladiolus gandavensis</i>	Japan			1	Calif.*
<i>Gladiolus</i> sp.	do			1	Calif.*
<i>Iris</i> sp.	Turkey			1	Calif.*
<i>Ixia</i> spp.	Union of South Africa			1	N. J.
<i>Solanum tuberosum</i> (potato)	Chile		1		Calif.*
<i>Melanomma pulvis-pyrius</i> (Fr.) Fckl.:					
<i>Rhododendron</i> sp.	England			1	Wash.
<i>Melanospora globosa</i> Berl.:					
<i>Bambusa</i> sp. (bamboo)	China	1			Calif.*
<i>Melanospora zamiae</i> Cda.:					
<i>Dahlia</i> sp.	Australia			1	Calif.*
<i>Zingiber officinale</i> (ginger)	Japan	4			Calif.*, N. Y.
<i>Meliola citricola</i> Syd.:					
<i>Citrus aurantifolia</i> (sour lime)	Mexico		1		Calif.*
<i>Citrus grandis</i> (pummelo)	Japan		1		Calif.*
<i>Citrus sinensis</i> (orange)	China, Japan, Thailand	2	1		Calif.*
<i>Citrus</i> sp.	China	1			Tex.
<i>Meloidogyne hapla</i> Chitwood:					
<i>Solanum tuberosum</i> (potato)	Japan		1		Pa.
<i>Meloidogyne javanica</i> (Treub.) Chitwood:					
<i>Asparagus myriocladus</i>	do			1	Hawaii.
<i>Ligularia wilsoniana</i>	Switzerland			1	N. J.
<i>Memnoniella echinata</i> (Riv.) L. O. Gall.:					
<i>Cymbidium giganteum</i>	India			1	Calif.*
<i>Solanum tuberosum</i> (potato)	England, Japan		2		Calif.*
<i>Zingiber officinale</i> (ginger)	Japan	7			Calif.*
<i>Monilinia fructigena</i> (Aderh. & Ruhl.) Honey:					
<i>Malus sylvestris</i> (apple)	Belgium, Denmark, England, France, Spain.		6		Pa.
<i>Prunus domestica</i> (plum)	Denmark, England		2		Pa.
<i>Prunus</i> sp. (cherry)	Italy, Turkey		2		N. Y., Pa.
<i>Monilinia laxa</i> (Aderh. & Ruhl.) Honey:					
<i>Prunus armeniaca</i> (apricot)	Portugal		1		Pa.
<i>Monochaetia paeoniae</i> (Maub.) Sacc. & D. Sacc.:					
<i>Paeonia suffruticosa</i> (tree peony)	France			1	Wash.
<i>Mycosphaerella advena</i> Syd.:					
<i>Chamaedorea</i> sp.	Mexico	1			Tex.
<i>Mycosphaerella brassicicola</i> (Duby) Lindau:					
<i>Brassica oleracea</i> (cabbage)	Norway		1		Calif.*
<i>Brassica oleracea botrytis</i> (cauliflower)	Ecuador		1		Tex.
<i>Mycosphaerella clintoniana</i> House:					
<i>Rhododendron</i> sp.	England			1	N. J.
<i>Mycosphaerella coffeicola</i> (Cke.) Stevenson & Wellman:					
<i>Coffea</i> sp.	Mexico	1			Tex.
<i>Mycosphaerella cypripedii</i> (Pk.) Lindau:					
<i>Coelogyne</i> sp. (orchid)	Thailand			1	N. J.
<i>Mycosphaerella fragariae</i> (Tul.) Lindau:					
<i>Fragaria</i> sp. (strawberry)	Germany, Netherlands	1		1	D. C., Mass.
<i>Mycosphaerella hondai</i> Miyake:					
<i>Oryza sativa</i> (rice)	Japan	1			Calif.*
<i>Mycosphaerella palmae</i> Miles:					
<i>Cocos nucifera</i> (coconut)	Yap Island	1			Hawaii.
<i>Mycosphaerella pomi</i> (Pass.) Lindau:					
<i>Malus sylvestris</i> (apple)	Denmark, Italy, New Zealand, Norway, Sweden.		5		Pa.

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<i>Mycosphaerella schoenoprasii</i> (Rab.) Schroet.:					
<i>Allium fistulosum</i> (Welsh onion)	Japan		23		Pa.
<i>Mycosphaerella tassiana</i> (de N.) Johans.:					
<i>Allium porrum</i> (leek)	do		1		Oreg.
<i>Myrothecium roridum</i> Fr.:					
<i>Lycopersicon esculentum</i> (tomato)	Jamaica	1			N. Y.
<i>Nectria galligena</i> Bres.:					
<i>Aralia</i> sp.	Netherlands			1	Wash.
<i>Neofabrea malicorticis</i> (Cordley) Jacks.:					
<i>Malus sylvestris</i> (apple)	Mexico	1			Tex.
<i>Neovossia horrida</i> (Tak.) Padw. & A. Kahn:					
<i>Oryza sativa</i> (rice)	Japan	1			Calif.*
<i>Nigrospora oryzae</i> (Berk. & Br.) Petch:					
<i>Dianthus</i> sp. (carnation)	Honduras	1			Calif.*
<i>Nigrospora sacchari</i> (Speg.) Mason:					
<i>Saccharum officinarum</i> (sugarcane)	Mexico	1			Tex.
<i>Nigrospora sphaerica</i> (Sacc.) Mason:					
<i>Avena</i> sp.	Japan	1			Calif.*
Grass	Ecuador	1			Calif.*
<i>Oryza sativa</i> (rice)	Japan	9	5		Calif.*
<i>Zea mays</i> (corn)	Turkey			1	D. C.
<i>Ochropsora kraunhiae</i> Diet.:					
<i>Wisteria</i> sp.	Japan			1	Wash.
<i>Omphalia flavida</i> Maubl. & Rangel:					
<i>Gardenia augusta</i> (gardenia)	Mexico	3			Calif.,* Tex
Leaf	Guatemala	1			Tex.
<i>Oospora pustulans</i> Owen & Wakef.:					
<i>Solanum tuberosum</i> (potato)	Norway		1		Calif.*
<i>Ophiobolus versisporus</i> Ell. & G. Martin:					
<i>Cocos nucifera</i> (coconut)	Hawaii	1			Calif.*
<i>Ophiodothella fici</i> Bessey:					
<i>Ficus cotinifolia</i>	Mexico	1			Ariz.
<i>Ophiostoma narcissi</i> Limber:					
<i>Narcissus</i> sp.	Italy			1	N. Y.
<i>Papulaspora parasitica</i> (Eidam) Harz:					
<i>Beta vulgaris</i> (beet)	China		1		Calif.*
<i>Lilium auratum</i> (goldband lily)	Japan	1		2	Calif.*
<i>Peronospora parasitica</i> Fr.:					
<i>Brassica oleracea capitata</i> (cabbage)	Belgium		1		P. R.
<i>Pestalotia bicolor</i> Ell. & Ev.:					
<i>Salix</i> sp.	Japan			1	Calif.*
<i>Pestalotia conspicua</i> Servazzi:					
<i>Dendrobium</i> sp. (orchid)	Australia			1	Hawaii.
<i>Pestalotia funerea</i> Dcsm.:					
<i>Chamaecyparis obtusa</i>	Japan			1	Hawaii.
<i>Cryptomeria japonica</i>	do			1	Hawaii.
<i>Cupressus</i> sp. (cypress)	do			1	Hawaii.
<i>Juniperus chinensis</i> (Chinese juniper)	do			1	Hawaii.
<i>Juniperus</i> sp.	Canada			1	N. Y.
<i>Pinus</i> sp. (pine)	Mexico	1			Tex.
<i>Pestalotia ixorae</i> Rangel:					
<i>Ixora coccinea</i> (scarlet ixora)	Australia			1	Hawaii.
<i>Pestalotia lespedezae</i> Syd.:					
<i>Lespedeza striata</i> (lespedeza)	China			1	Calif.*
<i>Pestalotia macrochaeta</i> (Speg.) Guba:					
<i>Pinus</i> sp. (pine)	Azores			1	Mass.
<i>Pestalotia palmarum</i> Cke.:					
<i>Cocos nucifera</i> (coconut)	Hawaii	1			Calif.*
<i>Collinia elegans</i> (palm)	Mexico	1			Tex.
Palm	do	4			Tex.
<i>Pestalotia peregrina</i> Ell. & G. Martin:					
<i>Pinus parviflora</i> (Japanese white pine)	Japan			5	Calif.*
<i>Pestalotia rhododendri</i> (D. Sacc.) Guba:					
<i>Rhododendron hirsutum</i>	Netherlands			1	Wash.
<i>Rhododendron ponticum</i> (pontic rhododendron)	do			1	Wash.
<i>Rhododendron</i> sp.	Belgium, England, Netherlands.			4	N. J., Wash
<i>Pezizella lythri</i> (Desm.) Shear & Dodge:					
<i>Fragaria</i> sp.	Japan			1	N. J.
<i>Phaeosphaeria oryzae</i> Miyake:					
<i>Oryza sativa</i> (rice)	do	1	1		Calif.*
<i>Phaeoseptoria oryzae</i> Miyake:					
<i>Oryza sativa</i> (rice)	Nicaragua	1			Calif.*



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<i>Phakopsora desmium</i> (Berk. & Br.) Cumm.: <i>Gossypium</i> sp. (cotton)-----	Dominican Republic-----	1	-----	-----	Calif.
<i>Phlyctaena ranunculacearum</i> Hoehn.: <i>Paeonia suffruticosa</i> (tree peony)-----	Japan-----	-----	-----	151	Calif.*
<i>Phoma ardisiae</i> Tassi: <i>Ardisia crenulata</i> (coral ardisia)-----	do-----	-----	-----	1	Wash.
<i>Phoma citricarpa</i> McAlp.: <i>Citrus limon</i> (lemon)-----	Australia, Union of South Africa.	-----	12	-----	Calif.,* Hawaii, La., Mass., Pa.
<i>Citrus paradisi</i> (grapefruit)-----	Japan, Mozambique, Union of South Africa.	-----	4	-----	Calif.,* Tex.
<i>Citrus reticulata</i> (Mandarin orange)-----	China, Japan, Formosa.	35	5	-----	Calif.,* Hawaii, Mass., N. Y., Tex., Wash.
<i>Citrus sinensis</i> (orange)-----	Australia, China, Formosa, Japan, Spain, Union of South Africa.	22	17	-----	Calif.,* Hawaii, Oreg., Pa., Tex.
<i>Citrus</i> sp. (orange)-----	China-----	1	-----	-----	Mass.
<i>Citrus</i> sp-----	China, Philippines-----	4	-----	-----	D. C., Hawaii, Tex.
<i>Phoma destructiva</i> Plowr.: <i>Capsicum frutescens</i> (pepper)-----	Colombia-----	-----	1	-----	Tex.
<i>Phoma eriophorum</i> Berk. & Br. (?): <i>Castanea</i> sp. (chestnut)-----	Yugoslavia-----	1	-----	-----	Pa.
<i>Phoma limoni</i> Thuem. (?): <i>Citrus limon</i> (lemon)-----	Italy, Union of South Africa.	-----	2	-----	N. Y., Tex.
<i>Phoma psidii</i> P. Henn.: <i>Psidium guajava</i> (guava)-----	Mexico-----	3	-----	-----	Tex.
<i>Phoma rigida</i> Penz. (?): <i>Citrus limon</i> (lemon)-----	Union of South Africa-----	-----	1	-----	N. Y.
<i>Phomopsis ambigua</i> (Sacc.) Trav.: <i>Malus sylvestris</i> (apple)-----	Netherlands-----	-----	1	-----	Pa.
<i>Phomopsis capsici</i> (Magnaghi) Sacc.: <i>Capsicum frutescens grossum</i> (bell pepper)-----	Mexico-----	1	-----	-----	Ariz.
<i>Phomopsis cocoas</i> Petch: <i>Cocos nucifera</i> (coconut)-----	Hawaii, Panama, Philippines.	3	1	-----	Calif.*
<i>Phomopsis occulta</i> (Sacc.) Trav.: <i>Picea glauca</i> (white spruce)-----	Germany-----	-----	-----	1	N. J.
<i>Phomopsis palmicola</i> (Wint.) Sacc.: <i>Areca cathecu</i> (betel palm)-----	Guam-----	1	-----	-----	Calif.*
<i>Phragmidium subcorticinum</i> (Schrank) Wint.: <i>Rosa</i> sp-----	France-----	1	-----	-----	N. Y.
<i>Phyllosticta cacti</i> (Berk.) Archer: <i>Cereus</i> sp. (cactus)-----	Mexico-----	-----	-----	1	Tex.
<i>Phyllosticta cordylinophila</i> P. A. Young: <i>Cordyline banksi</i> (Banks dracena)-----	Hawaii-----	-----	-----	1	Hawaii.
<i>Phyllosticta disciformis</i> Penzig: <i>Citrus sinensis</i> (orange)-----	Italy-----	-----	1	-----	Pa.
<i>Phyllosticta laeliae</i> Keissl.: <i>Cattleya</i> sp. (orchid)-----	Mexico-----	-----	-----	1	Tex.
<i>Dendrobium</i> sp. (orchid)-----	Thailand-----	-----	-----	1	Calif.*
<i>Phyllosticta limbalis</i> Pers.: <i>Burus microphylla koreana</i> -----	Netherlands-----	-----	-----	1	N. J.
<i>Phyllosticta maculicola</i> Halst.: <i>Dracaena</i> sp-----	Dominican Republic-----	-----	-----	1	P. R.
<i>Phyllosticta rhododendri</i> West.: <i>Rhododendron ponticum</i> (pontic rhododendron)-----	Netherlands-----	-----	-----	1	Wash.
<i>Rhododendron</i> sp-----	do-----	-----	-----	1	N. J.
<i>Phyllosticta ruscicola</i> Dur. & Mont.: <i>Ruscus</i> sp-----	Italy-----	3	-----	-----	Pa.
<i>Physalospora camptospora</i> Sacc.: <i>Dendrobium undulatum</i> (orchid)-----	Australia-----	-----	-----	3	Hawaii
<i>Physalospora obtusa</i> (Schw.) Cke.: <i>Malus sylvestris</i> (apple)-----	Italy, Sweden-----	-----	2	-----	Pa.
<i>Physalospora rhodina</i> (Berk. & Curt.) Cke.: <i>Cocos nucifera</i> (coconut)-----	Hawaii-----	-----	-----	1	Calif.*

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<i>Physalosporina sutherlandiae</i> (Kalchb. & Cke.) Petr.:					
<i>Sutherlandia frutescens</i> .....	Union of South Africa.....	---	---	1	D. C.
<i>Pleospora herbarum</i> (Fr.) Rab.:					
<i>Citrus limon</i> (lemon).....	Algeria, Spain.....	---	2	---	Pa., Tex.
<i>Triticum aestivum</i> (wheat).....	Spain.....	1	---	---	P. R.
<i>Pseudomonas maculicola</i> (McCull.) F. L. Stevens (?):					
<i>Brassica oleracea capitata</i> (cabbage).....	do.....	---	1	---	P. R.
<i>Pseudomonas marginalis</i> (N. A. Brown) F. L. Stevens:					
<i>Cichorium endivia</i> (endive).....	Belgium.....	3	---	---	N. Y.
<i>Pseudomonas marginata</i> (McCull.) Stapp:					
<i>Gladiolus</i> sp.....	Japan, Mexico, Netherlands.	2	---	2	Calif.*, Tex., Wash.
<i>Pseudomonas syringae</i> v. Hall (?):					
<i>Citrus sinensis</i> (orange).....	Israel.....	---	1	---	Va.
<i>Puccinia aeluropi</i> Ricker:					
<i>Aeluropus</i> sp.....	Turkey.....	---	---	1	D. C.
<i>Puccinia anomala</i> Rostr.:					
<i>Hordeum vulgare</i> (barley).....	England, Mexico.....	2	---	---	Pa., Tex.
<i>Puccinia baccharidis</i> Diet. & Holw.:					
<i>Baccharis</i> sp.....	Mexico.....	1	---	---	Ariz.
<i>Puccinia buxi</i> DC.:					
<i>Buxus sempervirens</i> (box).....	England, France.....	2	1	---	N. Y.
<i>Puccinia chrysanthemi</i> Roze:					
<i>Chrysanthemum morifolium</i> (mulberry chrysanthemum).	Japan.....	---	1	---	Hawaii.
<i>Chrysanthemum</i> sp.....	Japan, Mexico, New Zealand.	1	4	---	Hawaii, Tex. Wash.
<i>Puccinia coronata</i> Cda.:					
<i>Avena sativa</i> (oat).....	France, Netherlands.....	2	---	---	Wash.
<i>Holcus lanatus</i> (velvet grass).....	Germany.....	1	---	---	Oreg.
<i>Stipa patagonica</i> .....	Argentina.....	---	---	1	D. C.
<i>Puccinia glumarum</i> (Schm.) Eriks. & E. Henn.:					
<i>Hordeum bulbosum</i> (bulbous barley).....	Morocco.....	---	---	1	D. C.
<i>Triticum aestivum</i> (wheat).....	England.....	1	---	---	Pa.
<i>Puccinia graminis</i> Pers. var. <i>avenae</i> Eriks. & E. Henn.:					
<i>Avena sativa</i> (oat).....	Mexico.....	---	1	---	Tex.
<i>Puccinia graminis</i> Pers. var. <i>tritici</i> Eriks. & E. Henn.:					
<i>Triticum aestivum</i> (wheat).....	Spain, Sweden.....	---	1	1	P. R., Tex.
<i>Puccinia hordei</i> Fekl.:					
<i>Hordeum vulgare</i> (barley).....	Belgium.....	---	1	---	Pa.
<i>Puccinia horiana</i> P. Henn.:					
<i>Chrysanthemum morifolium</i> (mulberry chrysanthemum).	Japan.....	1	---	---	Wash.
<i>Chrysanthemum</i> sp.....	do.....	1	1	---	Hawaii.
<i>Puccinia hydrocotyles</i> (Lk.): Cke.					
<i>Hydrocotyle</i> sp.....	Uruguay.....	---	---	1	D. C.
<i>Puccinia kalchbrenneriana</i> de T.:					
<i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....	1	---	---	Ill.
<i>Puccinia kusanoi</i> Diet.:					
<i>Bambusa</i> sp.....	Philippines.....	1	---	---	Hawaii.
<i>Puccinia longicornis</i> Pat. & Har.:					
<i>Bambusa</i> sp.....	China.....	1	---	---	Calif.*
<i>Puccinia ornithogali-thyrsoides</i> Diet.:					
<i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....	6	---	---	D. C., Ill., Mass., N. J., N. Y.
<i>Puccinia penniseti</i> Zimm. (?):					
<i>Pennisetum macrourum</i> .....	do.....	---	---	1	D. C.
<i>Puccinia rubigo-vera</i> (DC.) Wint. var. <i>tritici</i> (Eriks. & E. Henn.) Carl.:					
<i>Triticum aestivum</i> (wheat).....	Japan.....	---	1	---	Wash.
<i>Triticum</i> sp.....	Europe, France.....	2	---	---	Calif.*, Hawaii.
<i>Puccinia stakmanii</i> Presley:					
<i>Gossypium</i> sp. (cotton).....	Mexico.....	1	---	---	Tex.
<i>Puccinia tetragonia</i> McAlp. var. <i>austroafricana</i> Doidge:					
<i>Tetragonia arbuscula</i> .....	Union of South Africa.....	---	---	1	D. C.



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<i>Puccinia vagans</i> (DC.) Arth.:					
<i>Epilobium</i> sp.	Turkey			1	D. C.
* <i>Pseudopeziza medicaginis</i> (Lib.) Sacc:					
<i>Medicago lupulina</i> (black medick)	Turkey			1	D. C.
<i>Medicago sativa</i> (alfalfa)	Mexico	1			Tex.
<i>Pseudopeziza trifolia</i> Biv.—Bern.) Fckl.:					
<i>Trifolium pratense</i> (red clover)	Turkey			1	D. C.
<i>Trifolium repens</i> var. Shamrock	Ireland	2			Oreg., Pa.
<i>Puccinia versicolor</i> Diet. & Holw. (?):					
Grass packing	Mexico	1			Wash.
<i>Quaternaria persoonii</i> Tul.:					
<i>Fagus</i> sp. (beech)	Canada	1			N. Y.
<i>Ramularia cynarae</i> Sacc.:					
<i>Cynara scolymus</i> (globe artichoke)	Greece		1		N. Y.
<i>Robillarda sessilis</i> Sacc.:					
<i>Lespedeza striata</i> (lespedeza)	China			1	Calif.*
<i>Sclerotinia kernerii</i> Wettst.:					
<i>Abies balsamea</i> (balsam fir)	Canada	1			N. Y.
<i>Sclerotiopsis concava</i> (Desm.) Shear & B. O. Dodge:					
<i>Vitis</i> sp. (grape)	Greece			1	N. Y.
<i>Sclerotiopsis testudinea</i> Dearn.:					
<i>Paeonia suffruticosa</i> (tree peony)	Japan			5	Calif.*
<i>Selenophoma donacis</i> (Pass.) Sprague & A. G. Johnson:					
<i>Stipa</i> sp.	Argentina			1	D. C.
<i>Selenophoma donacis</i> (Pass.) Sprague & A. G. Johnson var. <i>stomaticola</i> (Baueml.) Sprague & A. G. Johnson:					
<i>Dactylis glomerata</i> (orchard grass)	Turkey			1	D. C.
<i>Festuca rubra</i> (red fescue)	Iceland			1	D. C.
<i>Septonema orchidophilum</i> Speg. (?):					
<i>Ansellia africana</i> (orchid)	British East Africa			1	Calif.*
<i>Septoria azaleae</i> Vogl.:					
<i>Rhododendron indicum</i> (indica azalea)	Belgium			3	N. J., Wash.
<i>Rhododendron japonicum</i> (Japanese azalea)	Netherlands			1	N. J.
<i>Rhododendron malvatica</i>	do			1	N. J.
<i>Rhododendron vuykiana</i>	do			1	N. J.
<i>Rhododendron</i> sp.	Belgium, Japan, Netherlands.			4	N. J., Wash.
<i>Septoria carrubi</i> Pass. (?):					
<i>Laurus nobilis</i> (Greek laurel)	Mexico	1			Tex.
<i>Septoria chrysanthemi</i> Allesch.:					
<i>Chrysanthemum</i> sp.	Canada, England, Japan, Mexico.	1	1	2	Alaska, N. J., N. Y., Tex.
<i>Septoria citri</i> Pass.:					
<i>Citrus limon</i> (lemon)	Italy, Spain		8		Calif.*, Pa.
<i>Citrus paradisi</i> (grapefruit)	Union of South Africa		1		Calif.*
<i>Citrus sinensis</i> (orange)	Italy, Spain		2		Calif.*, Pa.
<i>Septoria convolvuli</i> Desm. (?):					
<i>Ipomoea</i> sp. (morning-glory)	Bermuda	1			N. Y.
<i>Septoria depressa</i> MeAlp.:					
<i>Citrus sinensis</i> (orange)	Australia		1		Tex.
<i>Septoria dianthi</i> Desm.:					
<i>Dianthus</i> sp. (carnation)	Hawaii	1			Wash.
<i>Septoria guembei</i> Speg. (?):					
<i>Philodendron</i> sp.	Mexico			2	Tex.
<i>Septoria oleae</i> Poll.:					
<i>Olea europaea</i> (olive)	Italy	1			N. Y.
<i>Septoria tritici</i> Desm.:					
<i>Triticum aestivum</i> (wheat)	England, Israel	2			Pa.
<i>Sphaceloma fawcetti</i> Jenkins:					
<i>Citrus aurantifolia</i> (sweet lime)	Mexico	2			Tex.
<i>Citrus limon</i> (lemon)	Australia, Brazil, New Zealand.		7		Hawaii, Pa.
<i>Citrus reticulata</i> (Mandarin orange)	Japan	1			Hawaii
<i>Citrus</i> sp. (orange)	New Zealand		1		Hawaii.
<i>Sphaceloma fawcetti</i> Jenkins (?):					
<i>Citrus aurantium</i> (bitter orange)	Japan	1			Hawaii
<i>Sphaceloma fawcetti</i> Jenkins var. <i>scabiosa</i> (MeAlp. & Tyron) Jenkins:					
<i>Citrus limon</i> (lemon)	Australia, New Zealand		5		La., Mass., Pa., Tex.

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<i>Sphaceloma mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango).....	Mexico, Puerto Rico.....	3	-----	-----	P. R., Tex.
<i>Sphaceloma punicae</i> Bitanc. & Jenkins: <i>Punica granatum</i> (pomegranate).....	Mexico.....	3	-----	-----	Ariz., Tex.
<i>Sphacelotheca ischaemi</i> (Fekl.) Clint.: <i>Andropogon gayanus</i> .....	Tanganyika.....	-----	-----	1	D. C.
<i>Heteropogon contortus</i> (tanglehead).....	do.....	-----	-----	1	D. C.
<i>Sphacelotheca panici-milliacei</i> (Pers.) Bub.: <i>Danthonia</i> sp.....	Australia.....	-----	-----	1	Wash.
<i>Sphacelotheca sorghicola</i> (Speg.) Zundel: <i>Sorghum vulgare technicum</i> (broomcorn).....	Argentina.....	1	-----	-----	Pa.
<i>Sphaerella hyphiseda</i> Fautr. & Lambotte: <i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....	1	-----	-----	N. J.
<i>Sporonema oryococi</i> Shear (?): <i>Pieris japonica</i> (Japanese andromeda).....	Netherlands.....	-----	-----	1	N. J.
<i>Stachybotrys atra</i> Cda.: <i>Laelia glauca</i> (orchid).....	Guatemala.....	-----	-----	1	Calif.*
<i>Stachybotrys subsimplex</i> Cke.: <i>Musa paradisiaca sapientum</i> (banana).....	do.....	2	-----	-----	Tex.
<i>Stachylidium theobromae</i> Ture.: <i>Musa paradisiaca</i> (plantain).....	Mexico.....	-----	3	-----	Calif.*
<i>Musa paradisiaca sapientum</i> (banana).....	Canal Zone, Costa Rica, Ecuador, Mexico.	13	-----	-----	Calif.*, N.Y.
<i>Stagonospora macrospora</i> (Dur. & Mont.) Sacc.: <i>Agave</i> sp.....	Mexico.....	-----	-----	1	Tex.
<i>Stemphylium botryosum</i> Wallr.: <i>Dianthus</i> sp. (carnation).....	Honduras.....	1	-----	-----	Calif.*
<i>Lycopersicon esculentum</i> (tomato).....	Australia.....	-----	1	-----	Hawaii.
<i>Stromatinia gladioli</i> (Drayt.) Whet. (?): <i>Gladiolus</i> sp.....	Netherlands.....	1	-----	1	P. R.
<i>Taphrina deformans</i> (Berk.) Tul.: <i>Prunus amygdalus</i> (almond).....	Lebanon.....	1	-----	-----	Mass.
<i>Thecopsora areolata</i> (Fr.) Magn.: <i>Picea abies</i> (Norway spruce).....	Norway.....	1	-----	-----	N. Y.
<i>Thielaviopsis basicola</i> (Berk & Br.) Ferr.: <i>Astilbe</i> sp.....	Netherlands.....	-----	-----	1	N. J.
<i>Paeonia suffruticosa</i> (tree peony).....	Japan.....	-----	-----	1	Calif.*
<i>Tilletia elymi</i> Diet. & Holw. (?): <i>Elymus</i> sp.....	Turkey.....	-----	-----	1	D. C.
<i>Tilletia panicii</i> Bub. & Ranoj. (?): <i>Hordeum</i> sp.....	do.....	-----	-----	1	D. C.
<i>Tranzschelia pruni-spinosae</i> (Pers.) Diet.: <i>Prunus domestica</i> (plum).....	Chile.....	1	-----	-----	N. Y.
<i>Triposporium stelligerum</i> Speg.: <i>Gardenia augusta</i> (gardenia).....	Mexico.....	1	-----	-----	Tex.
<i>Tritirachium dependens</i> Limber: <i>Lilium longiflorum</i> (Easter lily).....	Japan.....	-----	-----	1	Calif.*
<i>Lilium</i> sp.....	do.....	-----	1	-----	Calif.*
<i>Mangifera indica</i> (mango).....	Union of South Africa.....	1	-----	-----	Calif.*
<i>Pueraria lobata</i> (kudzu-bean).....	China.....	3	-----	-----	Calif.*
<i>Trachelospermum</i> sp.....	Japan.....	-----	-----	1	Calif.*
<i>Zingiber officinale</i> (ginger).....	Hawaii, Japan.....	3	-----	-----	Calif.*
<i>Tylenchus allii</i> Beijerinck: <i>Allium sativum</i> (garlic).....	France, Mexico.....	4	1	-----	La., Tex.
<i>Uredo behnickiana</i> P. Henn.: <i>Laelia anceps</i> (orchid).....	Mexico.....	-----	-----	2	Tex.
<i>Odontoglossum</i> sp. (orchid).....	do.....	-----	-----	1	Tex.
<i>Uredo epidendri</i> P. Henn.: <i>Epidendrum radicans</i> (orchid).....	Guatemala.....	-----	-----	1	Calif.*
<i>Epidendrum</i> sp.....	Honduras.....	-----	-----	1	Fla.
<i>Uredo guacae</i> Mayor: <i>Epidendrum radicans</i> (orchid).....	Guatemala.....	-----	-----	1	Tex.
<i>Epidendrum</i> sp.....	Canal Zone.....	-----	-----	1	Calif.*
Orchid.....	Brazil.....	-----	-----	1	Fla.
<i>Zygopetalum</i> sp. (orchid).....	Costa Rica.....	-----	-----	1	Fla.
<i>Uredo monsterae</i> Syd.: <i>Philodendron</i> sp.....	Mexico.....	-----	-----	2	Tex.
<i>Uredo nigropuncta</i> P. Henn.: <i>Bletia</i> sp.....	Jamaica.....	-----	-----	1	Fla.
<i>Odontoglossum</i> sp. (?) (orchid).....	Guatemala.....	-----	-----	1	Wash.
Orchid.....	Costa Rica.....	-----	-----	1	Fla.
<i>Uredo nigropunctata</i> P. Henn. (?): <i>Catasetum</i> sp. (orchid).....	Trinidad.....	-----	-----	1	Fla.



*Pests (diseases) collected and reported from July 1, 1952, through June 30, 1953—Con.*

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Uredo oncidii</i> P. Henn.: <i>Oncidium cavendishianum</i> (orchid).....	Guatemala.....			1	Calif.*
<i>Uredo scabies</i> Cke. (?): <i>Vanilla</i> sp. (orchid).....	Mexico.....			1	Tex.
<i>Urocystis gladiolicola</i> Ains.: <i>Gladiolus tristis</i> .....	Ireland.....			3	N. J.
<i>Uromyces alyxiae</i> Arth.: <i>Alyxia olivaeformis</i> (maile).....	Hawaii.....	3			Calif.*, Ha- wail.
<i>Uromyces coronatus</i> Yosh.: <i>Oryza sativa</i> (rice).....	Japan.....	1			Md.
<i>Uromyces leptodermus</i> Syd.: <i>Panicum purpurascens</i> .....	Mexico.....	1			Tex.
<i>Uromyces lespedezae-procumbentis</i> (Schw.) Curt.: <i>Lespedeza bicolor</i> (shrub bushelover).....	Japan.....			1	Calif.*
<i>Uromyces mulini</i> Schroet.: <i>Mulinum</i> sp.....	Argentina.....			1	D. C.
<i>Uromyces phaseoli</i> (Pers.) Wint.: <i>Phaseolus vulgaris</i> var. (string bean).....	Japan.....		2		Wash.
<i>Uromyces striatus</i> Sehroust var. <i>medicaginis</i> (Pass.) Arth.: <i>Medicago sativa</i> (alfalfa).....	Turkey.....			1	D. C.
<i>Medicago</i> sp.....	do.....			1	D. C.
<i>Ustilago bullata</i> Berk.: <i>Bromus catharticus</i> (rescue brome).....	Argentina.....			1	D. C.
<i>Bromus</i> sp.....	Turkey.....			1	D. C.
<i>Ustilago esculenta</i> P. Henn.: <i>Zizania</i> sp.....	Japan.....	1			Md.
<i>Ustilago grandis</i> Fr.: <i>Phragmites communis</i> (reed).....	Netherlands.....	1			Pa.
<i>Ustilago penniseti</i> Rab. var. <i>tinkinensis</i> Pat.: <i>Pennisetum</i> sp.....	Turkey.....			1	D. C.
<i>Volutella buxi</i> (Fr.) Berk. & Br.: <i>Buxus sempervirens</i> (box).....	Netherlands.....			1	Wash.
<i>Buxus</i> sp.....	do.....			1	N. J.
<i>Volutella pachysandricola</i> B. O. Dodge: <i>Pachysandra terminalis</i> (Japanese pachysandra).....	do.....			5	N. J.
<i>Xanthomonas begoniae</i> (Buchw.) Dows.: <i>Begonia</i> sp.....	Hawaii.....	1			Hawaii.
<i>Xanthomonas citri</i> (Hasse) Dows.: <i>Citrus aurantifolia</i> (lime).....	Korror Island, Mari- anas.	2			Guam, Ha- wail.
<i>Citrus aurantifolia</i> (sour lime).....	Ceylon, India, Japan.....		6		Calif.*, Mass., Pa., Tex.
<i>Citrus aurantium</i> (sour orange).....	Japan.....		3		Calif.*, Wash.
<i>Citris aurantium</i> var.....	do.....		2		Wash.
<i>Citris grandis</i> (pummelo).....	do.....		2		Calif.*, Wash.
<i>Citrus limon</i> (lemon).....	Japan, Philippines, Truk Islands.	2	19		Calif.*, Guam, Pa., Wash.
<i>Citrus paradisi</i> (grapefruit).....	Japan.....		10		Calif.*, La., Tex.
<i>Citris reticulata</i> (Mandarin orange).....	China, Japan.....	5	4		Calif.*, Ha- wail.
<i>Citrus sinensis</i> (orange).....	China, Japan, unknown.....	12	72		Ala., Calif.*, Hawaii, Md., Oreg. Pa., Tex., Wash.
<i>Citrus</i> sp. (orange).....	Korror Island, Saipan.....	2			Guam.
<i>Citrus</i> sp.....	Japan.....		3		Calif.*, Tex., Wash.
<i>Xanthomonas</i> sp. (?) ("Canerosis B"): <i>Citrus limon</i> (lemon).....	Argentina.....		4		N. Y., Pa.

## Hosts and Diseases

## ABIES:

*Sclerotinia kernerii* (Ascomycetes)

## ACIDANTHERA:

*Botrytis gladiolorum* (Deuteromycetes)

## ACINETA:

*Gloeosporium cinctum* (Deuteromycetes)

## AELUROPOUS:

*Puccinia aeluropi* (Promycetes)

## AGAVE:

*Colletotrichum agaves* (Deuteromycetes)*Colletotrichum yuccae* (Deuteromycetes)*Stagonospora macrospora* (Deuteromycetes)

## ALLIUM CEPA:

*Fusarium oxysporum* f. *cepae* (Deuteromycetes)

## ALLIUM FISTULOSUM:

*Mycosphaerella schoenoprasii* (Ascomycetes)

## ALLIUM KANSUENSE:

*Colletotrichum liliacearum* (Deuteromycetes)

## ALLIUM PORRUM:

*Mycosphaerella tassiana* (Ascomycetes)

## ALLIUM SATIVUM:

*Tylenchus allii* (Nematoda)

## ALYXIA:

*Uromyces alyxiae* (Promycetes)

## ANANAS:

*Diplodia ananassae* (Deuteromycetes)

## ANDROMEDA:

*Ceuthospora lunata* (Deuteromycetes)*Diplodia rostrupii* (Deuteromycetes)

## ANDROPOGON:

*Sphacelotheca ischaemi* (Promycetes)

## ANSELLIA:

*Septonema orchidophilum* (?) (Deuteromycetes)

## ARACEAE:

*Glomerella cincta* (Ascomycetes)

## ARALIA:

*Nectria galligena* (Ascomycetes)

## ARAUCARIA:

*Botryosphaeria berengeriana* f. *araucariae* (Ascomycetes).*Cryptospora longispora* (Ascomycetes)

## ARDISIA:

*Phoma ardisiae* (Deuteromycetes)

## ARECA:

*Colletotrichum arecae* (Deuteromycetes)*Gloeosporium catechu* (Deuteromycetes)*Phomopsis palmicola* (Deuteromycetes)

## ARRHENATHERUM:

*Claviceps purpurea* (Ascomycetes)

## ASPARAGUS:

*Meloidogyne javanica* (Nematoda)

## ASTER:

*Gloeosporium solidaginis* (Promycetes)

## ASTILBE:

*Thielaviopsis basicola* (Deuteromycetes)

## AVENA:

*Helminthosporium avenae* (Deuteromycetes)*Heterosporium avenae* (Deuteromycetes)*Nigrospora sphaerica* (Deuteromycetes)*Puccinia coronata* (Promycetes)*Puccinia graminis* var. *avenae* (Promycetes)

## AXONOPUS:

*Colletotrichum graminicolum* (Deuteromycetes)*Fusarium graminum* (Deuteromycetes)

## BACCHARIS:

*Puccinia baccharidis* (Promycetes)

## BAMBOO:

*Apiospora punctum* (Phycomycetes)*Hyponectria aureo-nitens* (Ascomycetes)

## BAMBUSA:

*Melanospora globosa* (Ascomycetes)*Puccinia kusanoi* (Promycetes)*Puccinia longicornis* (Promycetes)

## BEGONIA:

*Xanthomonas begoniae* (Schizomycetes)

## BERBERIS:

*Cucurbitaria berberidis* (Ascomycetes)

## BETA:

*Papulaspora parasitica* (Deuteromycetes)

## BLETIA:

*Uredo nigropuncta* (Promycetes)

## BOUGAINVILLEA:

*Cercospora mirabilis* (Deuteromycetes)

## BRASSICA OLERACEA:

*Mycosphaerella brassicicola* (Ascomycetes)

## BRASSICA OLERACEA BOTRYTIS:

*Gloeosporium concentricum* (Deuteromycetes)*Mycosphaerella brassicicola* (Ascomycetes)

## BRASSICA OLERACEA CAPITATA:

*Peronospora parasitica* (Phycomycetes)*Pseudomonas maculicola* (?) (Schizomycetes)

## BROMUS:

*Colletotrichum graminicolum* (Deuteromycetes)*Ustilago bullata* (Promycetes)

## BUXUS:

*Macrophoma candollei* (Deuteromycetes)*Phyllosticta limbalis* (Deuteromycetes)*Puccinia buxi* (Promycetes)*Volutella buxi* (Deuteromycetes)

## CACTUS:

*Erosporum cactivorum* (Deuteromycetes)

## CAMELLIA:

*Discosia artocreas* (Deuteromycetes)

## CAPSICUM:

*Gloeosporium piperatum* (Deuteromycetes)*Phoma destructiva* (Deuteromycetes)*Phomopsis capsici* (Deuteromycetes)

## CARICA:

*Asperisporium caricae* (Deuteromycetes)*Fusarium diversisporum* (Deuteromycetes)

## CASTANEA:

*Diplodia theobromae* (Deuteromycetes)*Phoma eriophorum* (?) (Deuteromycetes)

## CATASETUM:

*Uredo nigropunctata* (?) (Promycetes)

## CATTLEYA:

*Diplodia paraphysaria* (Deuteromycetes)*Phyllosticta laeliae* (Deuteromycetes)

## CENTROSEMA:

*Cercospora centrosema* (Deuteromycetes)

## CEREUS:

*Phyllosticta cacti* (Deuteromycetes)

## CHAENOMELES:

*Graphis scripta* (Ascomycetes)

## CHAMACEYPARIS:

*Pestalotia funerea* (Deuteromycetes)

## CHAMAEDOREA:

*Aschersonia aleyrodii* (Deuteromycetes)*Mycosphaerella advena* (Ascomycetes)

## CHRYSANTHEMUM:

*Aphelenchoides ritzema-bosi* (?) (Nematoda)*Puccinia chrysanthemi* (Promycetes)*Puccinia horiana* (Promycetes)*Septoria chrysanthemi* (Deuteromycetes)

## CICHORIUM:

*Pseudomonas marginalis* (Schizomycetes)

## CITRUS AURANTIFOLIA:

*Elsinoe australis* (Ascomycetes)*Meliola citricola* (Ascomycetes)*Sphaceloma fawcetti* (Deuteromycetes)*Xanthomonas citri* (Schizomycetes)

## CITRUS AURANTIUM:

*Elsinoe australis* (Ascomycetes)*Sphaceloma fawcetti* (?) (Deuteromycetes)*Xanthomonas citri* (Schizomycetes)

## CITRUS AURANTIUM VAR.:

*Xanthomonas citri* (Schizomycetes)

## CITRUS GRANDIS:

*Fusarium juruanum* (Deuteromycetes)*Fusarium lateritium* (Deuteromycetes)*Xanthomonas citri* (Schizomycetes)

## CITRUS LIMON:

*Elsinoe australis* (Ascomycetes)*Phoma citricarpa* (Deuteromycetes)*Phoma limoni* (?) (Deuteromycetes)*Phoma rigida* (?) (Deuteromycetes)*Pleospora herbarum* (Ascomycetes)*Septoria citri* (Deuteromycetes)*Sphaceloma fawcetti* (Deuteromycetes)*Sphaceloma fawcetti* var. *scabiosa* (Deuteromycetes)*Xanthomonas citri* (Schizomycetes)*Xanthomonas* sp. (?) (Cancrosis "B") (Schizomycetes)

## CITRUS NOBILIS:

*Meliola citricola* (Ascomycetes)

## CITRUS PARADISI:

*Ascochyta citri* (Deuteromycetes)*Phoma citricarpa* (Deuteromycetes)*Septoria citri* (Deuteromycetes)*Xanthomonas citri* (Schizomycetes)

## CITRUS RETICULATA:

*Elsinoe australis* (Ascomycetes)*Gloeosporium folliicolum* (Deuteromycetes)*Phoma citricarpa* (Deuteromycetes)*Sphaceloma fawcetti* (Deuteromycetes)*Xanthomonas citri* (Schizomycetes)



*Hosts and Diseases—Continued*

## CITRUS SINENSIS:

- Ascochyta hesperidearum* (Deuteromycetes)
- Elsinoe australis* (Ascomycetes)
- Hendersonia citri* (Deuteromycetes)
- Meliola citricola* (Ascomycetes)
- Phoma citricarpa* (Deuteromycetes)
- Phyllosticta disciformis* (Deuteromycetes)
- Pseudomonas syringae* (?) (Schizomycetes)
- Septoria citri* (Deuteromycetes)
- Septoria depressa* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS SP. (orange):

- Phoma citricarpa* (Deuteromycetes)
- Sphaceloma faugetti* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS SP.:

- Meliola citricola* (Ascomycetes)
- Phoma citricarpa* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## COCOS:

- Coniosporium palmicola* (Deuteromycetes)
- Cytospora palmarum* (Deuteromycetes)
- Diplodia epicocos* (Deuteromycetes)
- Epicoccum cocos* (Deuteromycetes)
- Mycosphaerella palmarum* (Ascomycetes)
- Ophiobolus versisporus* (Ascomycetes)
- Pestalotia palmarum* (Deuteromycetes)
- Phomopsis cocoas* (Deuteromycetes)
- Physalospora rhodina* (Ascomycetes)

## COELOGYNE:

- Mycosphaerella cypripedii* (Ascomycetes)

## COFFEA:

- Cercospora coffeicola* (Deuteromycetes)
- Colletotrichum coffeanum* (Deuteromycetes)
- Mycosphaerella coffeicola* (Ascomycetes)

## COLLINIA:

- Pestalotia palmarum* (Deuteromycetes)

## CORDYLINE:

- Phyllosticta cordylinophila* (Deuteromycetes)

## CRATAEGUS:

- Botryosphaeria ribis* (Ascomycetes)

## CRYPTOMERIA:

- Pestalotia funerea* (Deuteromycetes)

## CUPRESSUS:

- Pestalotia funerea* (Deuteromycetes)

## CYMBIDUM:

- Fusarium solani* (?) (Deuteromycetes)
- Memnoniella echinata* (Deuteromycetes)

## CYNARA:

- Ramularia cynarae* (Deuteromycetes)

## CYNODON:

- Helminthosporium cynodontis* (Deuteromycetes)

## DACTYLIS:

- Selenophoma donacis* (Deuteromycetes)

## DAHLIA:

- Coleosporium dahliae* (Promycetes)
- Melanospora zamiae* (Ascomycetes)

## DAISY:

- Septoria chrysanthemi* (Deuteromycetes)

## DANTHONIA:

- Sphacelotheca panici-milliae* (Promycetes)

## DENDROBIUM:

- Pestalotia conspicua* (Deuteromycetes)
- Phyllosticta laeliae* (Deuteromycetes)
- Physalospora campispora* (Ascomycetes)

## DIANTHUS:

- Alternaria dianthi* (Deuteromycetes)
- Heterosporium echinulatum* (Deuteromycetes)
- Nigrospora oryzae* (Deuteromycetes)
- Septoria dianthi* (Deuteromycetes)
- Stemphylium botryosum* (Deuteromycetes)

## DRACAENA:

- Aphelenchoides bicaudatus* (Nematoda)
- Phyllosticta maculicola* (Deuteromycetes)

## DUVALIA:

- Botryosphaeria ribis* (Ascomycetes)

## ELYMUS:

- Tilletia elymi* (?) (Promycetes)

## EPIDENDRUM:

- Uredo epidendri* (Promycetes)
- Uredo guacae* (Promycetes)

## EPILOBIUM:

- Puccinia vagans* (Promycetes)

## ERIOBOTRYA:

- Fusicladium eriotryae* (Deuteromycetes)

## ERYTHRINA:

- Colletotrichum erythrinae* (Deuteromycetes)

## FAGUS:

- Quaternaria persoonii* (Ascomycetes)

## FATSIEDERA:

- Colletotrichum trichella* (Deuteromycetes)

## FESTUCA:

- Selenophoma donacis* var. *stomaticola* (Deuteromycetes)

## FICUS:

- Ophiostoma fici* (Ascomycetes)

## FRAGARIA:

- Dendrophoma obscurans* (Ascomycetes)
- Mycosphaerella fragariae* (Ascomycetes)
- Pezizella lythri* (Ascomycetes)

## GARDENIA:

- Omphalia flava* (Deuteromycetes)
- Triposporium stelligerum* (Deuteromycetes)

## GLADIOLUS:

- Botrytis gladiolorum* (Deuteromycetes)
- Fusarium oxysporum* f. *gladioli* (Deuteromycetes)
- Macrophomina phaseolina* (Deuteromycetes)
- Pseudomonas marginata* (Schizomycetes)
- Stromatinia gladioli* (?) (Ascomycetes)
- Urocystis gladiolicola* (Promycetes)

## GLIRICIDIA:

- Colletotrichum gliricidae* (Deuteromycetes)

## GOSSYPIUM:

- Phakopsora desmii* (Promycetes)
- Puccinia stakmanii* (Promycetes)

## HELLEBORUS:

- Coniothyrium hellebori* (Deuteromycetes)

## HETEROPOGON:

- Cerebella andropogonis* (Deuteromycetes)
- Sphacelotheca ischaemi* (Promycetes)

## HIBISCUS:

- Cercospora malayensis* (Deuteromycetes)

## HOLCUS:

- Puccinia coronata* (Promycetes)

## HORDEUM:

- Heterosporium avenae* (?) (Deuteromycetes)
- Puccinia anomala* (Promycetes)
- Puccinia glumarum* (Promycetes)
- Puccinia hordei*
- Tilletia panicis* (?) (Promycetes)

## HYDROCOTYLE:

- Puccinia hydrocotyles* (Promycetes)

## HYPARRHENIA:

- Cerebella andropogonis* (Deuteromycetes)

## IPOMOEA:

- Endoconidiophora fimbriata* (Ascomycetes)
- Septoria convolvuli* (?) (Deuteromycetes)

## IRIS:

- Colletotrichum lillacearum* (Deuteromycetes)
- Ditylenchus* sp. (undescribed) (Nematoda)
- Leptosphaeria heterospora* (Ascomycetes)
- Macrophomina phaseolina* (Deuteromycetes)

## IXIA:

- Macrophomina phaseolina* (Deuteromycetes)

## IXORA:

- Pestalotia ixorae* (Deuteromycetes)

## JATROPHA:

- Aecidium mozinnae* (Promycetes)

## JUNIPERUS:

- Gymnosporangium haraeae* (Promycetes)
- Gymnosporangium sabiniae* (Promycetes)
- Pestalotia funerea* (Deuteromycetes)

## LABURNUM:

- Coniothyrium cytisellum* (Deuteromycetes)
- Cylindrocarpum candidum* var. *minus* (Deuteromycetes)

## LAELIA:

- Stachybotrys atra* (Deuteromycetes)
- Uredo behnickiana* (Promycetes)

## LAURUS:

- Septoria carrubi* (?) (Deuteromycetes)

## LESPEDeza:

- Pestalotia lespedezae* (Deuteromycetes)
- Robillarda sessilis* (Deuteromycetes)
- Uromyces lespedezae-procumbentis* (Promycetes)

## LEUCOTHOE:

- Ceuthospora lunata* (Deuteromycetes)
- Diplodina rostrupii* (Deuteromycetes)

## LIGULARIA:

- Meloidogyne javanica* (Nematoda)

## LILIUM:

- Botrytis elliptica* (Deuteromycetes)
- Colletotrichum liliacearum* (Deuteromycetes)



## Hosts and Diseases—Continued

## LILIUM—Continued

- Papulaspora parasitica* (Deuteromycetes)  
*Tritirachium dependens* (Deuteromycetes)

## LYCOPERSICON:

- Myrothecium roridum* (Deuteromycetes)  
*Stemphylium botryosum* (Deuteromycetes)

## MAGNOLIA:

- Ascochyta magnoliae* (Deuteromycetes)

## MALUS:

- Coniothecium chomatosporum* (Deuteromycetes)  
*Fusicladium dendriticum* (Deuteromycetes)  
*Gymnosporangium yamadae* (Promycetes)  
*Monilinia fructigena* (Ascomycetes)  
*Mycosphaerella pomi* (Ascomycetes)  
*Neofabraea malicorticis* (Ascomycetes)  
*Phomopsis ambigua* (Deuteromycetes)  
*Physalospora obtusa* (Ascomycetes)

## MANGIFERA:

- Sphaceloma mangiferae* (Deuteromycetes)  
*Tritirachium dependens* (Deuteromycetes)

## MEDICAGO:

- Pseudopeziza medicaginis* (Ascomycetes)  
*Uromyces striatus* var. *medicaginis* (Promycetes)

## MORUS:

- Eutypella stellulata* (Ascomycetes)

## MULINUM:

- Uromyces mulini* (Promycetes)

## MUSA PARADISIACA:

- Cercospora musae* (Deuteromycetes)  
*Cordana musae* (Deuteromycetes)  
*Stachylidium theobromae* (Deuteromycetes)

## MUSA PARADISIACA SAPIENTUM:

- Cercospora musae* (Deuteromycetes)  
*Cordana musae* (Deuteromycetes)  
*Didymium minus* (Myxomycetes)  
*Hendersonia musae* (Deuteromycetes)  
*Macrophoma musae* (Deuteromycetes)  
*Stachybotrys subsimplex* (Deuteromycetes)  
*Stachylidium theobromae* (Deuteromycetes)

## NARCISSUS:

- Aphelenchoides subtennis* (Nematoda)  
*Ditylenchus dipsaci* (Nematoda)  
*Ophiostoma narcissi* (Ascomycetes)

## NERIUM:

- Cercospora neriella* (Deuteromycetes)

## ODONTIODA:

- Cercospora angreci* (Deuteromycetes)

## ODONTOGLOSSUM:

- Uredo behnickiana* (Promycetes)  
*Uredo nigropunctata* (Promycetes)

## OLEA:

- Septoria oleae* (Deuteromycetes)

## ONCIDIUM:

- Uredo oncidii* (Promycetes)

## ORCHID:

- Chaetomella atra* (Deuteromycetes)  
*Coniothyrium stanhopeae* (Deuteromycetes)  
*Diplodia paraphysaria* (Deuteromycetes)  
*Gloeosporium cinctum* (Deuteromycetes)  
*Uredo guacae* (Promycetes)  
*Uredo nigropunctata* (Promycetes)

## ORNITHOGALUM:

- Heterosporium ornithogali* (Deuteromycetes)  
*Puccinia kalchbrenneriana* (Promycetes)  
*Puccinia ornithogali-thyrsoidea* (Promycetes)  
*Sphaerella hyphiseda* (Ascomycetes)

## ORYZA:

- Cephalosporium roseum* (Deuteromycetes)  
*Cercospora oryzae* (Deuteromycetes)  
*Entyloma oryzae* (Promycetes)  
*Helminthosporium oryzae* (Deuteromycetes)  
*Helminthosporium turcicum* (Deuteromycetes)  
*Leptosphaeria oryzina* (Ascomycetes)  
*Mycosphaerella hondai* (Ascomycetes)  
*Neovossia horrida* (Promycetes)  
*Nigrospora sphaerica* (Deuteromycetes)  
*Phaeoseptoria oryzae* (Deuteromycetes)  
*Uromyces coronatus* (Promycetes)

## PACHYSANDRA:

- Volutella pachysandricola* (Deuteromycetes)

## PAEONIA:

- Coryneum microstictum* (Deuteromycetes)  
*Hendersonia paeoniae* (Deuteromycetes)  
*Monochaetia paeoniae* (Deuteromycetes)  
*Phlyctaena ranunculacearum* (Deuteromycetes)  
*Sclerotiopsis testudinea* (Deuteromycetes)  
*Thielaviopsis basicola* (Deuteromycetes)

## PALM:

- Catacauma sabal* (?) (Ascomycetes)  
*Pestalotia palmarum* (Deuteromycetes)

## PANICUM:

- Cryptodidymosphaeria clandestina* (Ascomycetes)  
*Uromyces leptodermus* (Promycetes)

## PASPALUM:

- Cerebella andropogonis* (Deuteromycetes)  
*Claviceps paspali* (Ascomycetes)  
*Fusarium heterosporum* (Deuteromycetes)

## PENNISETUM:

- Puccinia penniseti* (?) (Promycetes)  
*Ustilago penniseti* var. *tonkinensis* (Promycetes)

## PERSEA:

- Cercospora purpurea* (Deuteromycetes)

## PHAJUS:

- Coleosporium bletiae* (Promycetes)

## PHASEOLUS:

- Elsinoe phaseoli* (Ascomycetes)  
*Uromyces phaseoli* (Promycetes)

## PHILODENDRON:

- Colletotrichum philodendri* (Deuteromycetes)  
*Gloeosporium philodendri* (Deuteromycetes)  
*Glomerella cincta* (Ascomycetes)  
*Septoria guembe* (?) (Deuteromycetes)  
*Uredo monsterae* (Promycetes)

## PHRAGMITES:

- Ustilago grandis* (Promycetes)

## PICEA:

- Discella strobilina* (Deuteromycetes)  
*Phomopsis occulta* (Deuteromycetes)  
*Thecopsora areolata* (Promycetes)

## PIERIS:

- Sporonema oxycocci* (?) (Deuteromycetes)

## PINUS:

- Cercospora pini-densiflorae* (Deuteromycetes)  
*Pestalotia funerea* (Deuteromycetes)  
*Pestalotia macrochaeta* (Deuteromycetes)  
*Pestalotia peregrina* (Deuteromycetes)

## PLUMERIA:

- Coleosporium domingense* (Promycetes)

## PROSOPIS:

- Gloeosporium leguminum* (Deuteromycetes)

## PRUNUS AMYGDALUS:

- Taphrina deformans* (Ascomycetes)

## PRUNUS ARMENIACA:

- Coryneum carpophilum* (Deuteromycetes)  
*Monilinia laxa* (Ascomycetes)

## PRUNUS DOMESTICA:

- Monilinia fructigena* (Ascomycetes)  
*Tranzschelia pruni-spinosae* (Promycetes)

## PRUNUS SP. (cherry):

- Monilinia fructigena* (Ascomycetes)

## PSIDIUM:

- Phoma psidii* (Deuteromycetes)

## PUERARIA:

- Tritirachium dependens* (Deuteromycetes)

## PUNICA:

- Sphaceloma punicae* (Deuteromycetes)

## PYRACANTHA:

- Fusicladium pyracanthae* (Deuteromycetes)

## PYRUS:

- Collectotrichum fructus* (Deuteromycetes)  
*Fusicladium pirinum* (Deuteromycetes)

## QUERCUS:

- Hypoxyton marginatum* (Ascomycetes)

## RHODODENDRON:

- Apiospora rhododendri* (Phycomycetes)  
*Briosis azaleae* (Deuteromycetes)  
*Cercospora handelii* (Deuteromycetes)  
*Cercospora rhododendri* (Deuteromycetes)  
*Chrysomyxa rhododendri* (Promycetes)  
*Coniothyrium rhododendri* (Deuteromycetes)  
*Cytospora subcylpeata* (?) (Deuteromycetes)  
*Dasyascypha virginea* (Ascomycetes)  
*Diplodina eurhododendri* (Deuteromycetes)  
*Exobasidium vaccinii* (Basidiomycetes)  
*Gloeosporium rhododendri* (Deuteromycetes)  
*Lophodermium rhododendri* (Ascomycetes)  
*Melanomma pulvis-pyrus* (Ascomycetes)  
*Mycosphaerella clintoniana* (Ascomycetes)  
*Pestalotia rhododendri* (Deuteromycetes)  
*Phyllosticta rhododendri* (Deuteromycetes)  
*Septoria azaleae* (Deuteromycetes)

## ROSA:

- Phragmidium subcorticinum* (Promycetes)



*Hosts and Diseases—Continued*

## RUSCUS:

- Leptosphaeria rusci* (Ascomycetes)  
*Phyllosticta ruscicola* (Deuteromycetes)

## SACCHARUM:

- Leptosphaeria sacchari* (Ascomycetes)  
*Nigrospora sacchari* (Deuteromycetes)

## SALIX:

- Cryptodiaporthe salicella* (Ascomycetes)  
*Pestalotia bicolor* (Deuteromycetes)

## SAND:

- Heterodera avenae* (Nematoda)

## SANSEVIERIA:

- Gloeosporium sansevieriae* (Deuteromycetes)

## SOIL:

- Heterodera avenae* (Nematoda)  
*Heterodera cacti* (Nematoda)  
*Heterodera leptonepia* (Nematoda)  
*Heterodera punctata* (Nematoda)  
*Heterodera rostochiensis* (Nematoda)

## SOLANUM:

- Chaetomium contortum* (Ascomycetes)  
*Macrophomina phaseolina* (Deuteromycetes)  
*Meloidogyne hapla* (Nematoda)  
*Memnoniella echinata* (Deuteromycetes)  
*Oospora pustulans* (Deuteromycetes)

## SORGHUM:

- Collectotrichum graminicolum* (Deuteromycetes)  
*Sphacelotheca sorghicola* (Promycetes)

## SPOROBOLUS:

- Helminthosporium ravenelii* (Deuteromycetes)

## STANHOPEA (?):

- Hendersonia epidendri* (Deuteromycetes)

## STENOCACTUS:

- Leptosphaeria opuntiae* (Ascomycetes)

## STIPA:

- Lophodermium minutum* (Ascomycetes)  
*Puccinia coronata* (Promycetes)  
*Selenophoma donacis* (Deuteromycetes)

## SUTHERLANDIA:

- Physalosporina sutherlandiae* (Ascomycetes)

## TETRAGONIA:

- Puccinia tetragonia* var. *austroafricana* (Promycetes)

## TRACHELOSPERMUM:

- Tritirachium dependens* (Deuteromycetes)

## TRIFOLIUM:

- Cymadothea trifolii* (Ascomycetes)  
*Pseudopeziza trifolii* (Ascomycetes)

## TRIGONELLA:

- Ascochyta trigonellae* (Deuteromycetes)

## TRITICUM:

- Pleospora herbarum* (Ascomycetes)  
*Puccinia glumarum* (Promycetes)  
*Puccinia graminis* var. *tritici* (Promycetes)  
*Puccinia rubigo-vera* var. *tritici* (Promycetes)  
*Septoria tritici* (Deuteromycetes)

## VANILLA:

- Uredo scabies* (Promycetes)

## VIBURNUM:

- Coniothyrium viburni* (Deuteromycetes)

## VICIA:

- Ascochyta pisi* (Deuteromycetes)

## VITIS:

- Sclerotiopsis concava* (Deuteromycetes)

## WISTERIA:

- Coniothyrium olivaceum* (Deuteromycetes)  
*Cryptovalsa rabenhorstii* (Ascomycetes)  
*Ochropsora kraunkiae* (Promycetes)

## ZEA:

- Nigrospora sphaerica* (Deuteromycetes)

## ZINGIBER:

- Melanospora zamiae* (Ascomycetes)  
*Memnoniella echinata* (Deuteromycetes)  
*Tritirachium dependens* (Deuteromycetes)

## ZIZANIA:

- Ustilago esculenta* (Promycetes)

## ZYGOPETALUM:

- Uredo guacae* (?) (Promycetes)

*Hosts Unknown*

## GRASS:

- Colletotrichum graminicolum* (Deuteromycetes)  
*Nigrospora sphaerica* (Deuteromycetes)  
*Puccinia versicolor* (?) (Promycetes)

## LEAF:

- Omphalia flava* (Deuteromycetes)

*Countries of Origin and Diseases*

## ALGERIA:

- Pleospora herbarum*

## ARGENTINA:

- Elsinoe australis*  
*Gloeosporium leguminum*  
*Puccinia coronata*  
*Selenophoma donacis*  
*Sphacelotheca sorghicola*  
*Uromyces mulini*  
*Ustilago bullata*  
*Xanthomonas* sp. (?) (Cancrosis "B")

## AUSTRALIA:

- Cerebella andropogonis*  
*Colletotrichum liliacearum*  
*Cryptospora longispora*  
*Fusarium heterosporum*  
*Fusarium solani* (?)  
*Fusicladium dendriticum*  
*Helminthosporium cynodontis*  
*Heterosporium avenae*  
*Leptosphaeria heterospora*  
*Melanospora zamiae*  
*Pestalotia conspicua*  
*Pestalotia ixorae*  
*Phoma citricarpa*  
*Physalospora camptospora*  
*Septoria depressa*  
*Sphaceloma fawcetti*  
*Sphaceloma fawcetti* var. *scabiosa*  
*Sphacelotheca panici-milliacei*  
*Stemphyllium botryosum*

## AUSTRIA:

- Chrysomyxa rhododendri*  
*Fusicladium dendriticum*  
*Heterodera punctata*  
*Heterodera rostochiensis*

## AZORES:

- Pestalotia macrochaeta*

## BAHAMAS:

- Eutypella stellulata*

## BELGIUM:

- Cercospora angreci*  
*Cercospora handelii*  
*Colletotrichum trichella*  
*Cucurbitaria berberidis*  
*Helminthosporium avenae*  
*Heterodera avenae*  
*Heterodera punctata*  
*Monilinia fructigena*  
*Peronospora parasitica*  
*Pestalotia rhododendri*  
*Pseudomonas marginalis*  
*Puccinia hordei*  
*Septoria azuleae*

## BERMUDA:

- Cercospora neriella*  
*Cercospora convolvuli* (?)

## BRAZIL:

- Aphelenchoides bicaudatus*  
*Claviceps paspali*  
*Diplodia epicocos*  
*Elsinoe australis*  
*Gloeosporium piperatum*  
*Helminthosporium ravenelii*  
*Sphaceloma fawcetti*  
*Uredo guacae*

## BRITISH EAST AFRICA:

- Septonema orchidophilum* (?)

## CANADA:

- Alternaria dianthi*  
*Colletotrichum liliacearum*  
*Heterodera cacti*

## Countries of Origin and Diseases—Continued

## CANADA—Continued

*Leptosphaeria heterospora*  
*Lophodermium rhododendri*  
*Pestalotia funerea*  
*Quaternaria persoonii*  
*Sclerotinia kernerii*  
*Septoria chrysanthemi*

## CANAL ZONE:

*Ascochyta citri*  
*Cercospora mirabilis*  
*Cercospora musae*  
*Coleosporium domingense*  
*Gloeosporium cinctum*  
*Gloeosporium sansevieriae*  
*Stachylidium theobromae*  
*Uredo guacae*

## CEYLON:

*Xanthomonas citri*

## CHILE:

*Ascochyta pisi*  
*Claviceps purpurea*  
*Macrophomina phaseolina*  
*Tranzschelia pruni-spinosae*

## CHINA:

*Entyloma oryzae*  
*Melanospora globosa*  
*Meliola citricola*  
*Papulaspora parasitica*  
*Pestalotia lespedezae*  
*Phoma citricarpa*  
*Puccinia longicornis*  
*Robillarda sessilis*  
*Tritirachium dependens*  
*Xanthomonas citri*

## COLOMBIA:

*Phoma destructiva*

## COSTA RICA:

*Diplodia paraphysaria*  
*Stachylidium theobromae*  
*Uredo guacae* (?)  
*Uredo nigropunctata*

## CUBA:

*Asperisporium caricae*  
*Cercospora malayensis*  
*Colletotrichum gliricidae*

## CZECHOSLOVAKIA:

*Heterodera cacti*

## DENMARK:

*Colletotrichum fructus*  
*Cryptodiaporthe salicella*  
*Heterodera rostochiensis*  
*Monilinia fructigena*  
*Mycosphaerella pomi*

## DOMINICAN REPUBLIC:

*Phakopsora desmum*  
*Phyllosticta maculicola*

## ECUADOR:

*Cercospora musae*  
*Cordana musae*  
*Cryptodidymosphaeria clandestina*  
*Macrophoma musae*  
*Mycosphaerella brassicicola*  
*Nigrospora sphaerica*  
*Stachylidium theobromae*

## ENGLAND:

*Apiospora rhododendri*  
*Briosia azaleae*  
*Chrysomyxa rhododendri*  
*Colletotrichum liliacearum*  
*Coniothyrium hellebori*  
*Coniothyrium rhododendri*  
*Coryneum microstictum*  
*Cytospora subclypeata* (?)  
*Diplodina eurhododendri*  
*Gloeosporium concentricum*  
*Gloeosporium rhododendri*  
*Helminthosporium avenae*  
*Heterodera avenae*  
*Heterodera cacti*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Leptosphaeria heterospora*  
*Lophodermium rhododendri*  
*Melanomma pulvis-pyrius*  
*Memnoniella echinata*  
*Monilinia fructigena*  
*Mycosphaerella clintoniana*  
*Pestalotia rhododendri*

## ENGLAND—Continued

*Puccinia anomala*  
*Puccinia buxi*  
*Puccinia glumarum*  
*Septoria chrysanthemi*  
*Septoria tritici*

## EUROPE:

*Puccinia rubigo-vera* var. *tritici*

## FORMOSA:

*Phoma citricarpa*

## FRANCE:

*Alternaria dianthi*  
*Ditylenchus* sp. (undescribed)  
*Heterodera avenae*  
*Heterodera cacti*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Monilinia fructigena*  
*Monochaetia paeoniae*  
*Phragmidium subcorticinum*  
*Puccinia buxi*  
*Puccinia coronata*  
*Puccinia rubigo-vera* var. *tritici*  
*Tylenchus allii*

## GERMANY:

*Botrytis gladiolorum*  
*Colletotrichum liliacearum*  
*Discella strobilina*  
*Exobasidium vaccinii*  
*Gymnosporangium sabinae*  
*Heterodera avenae*  
*Heterodera cacti*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Mycosphaerella fragariae*  
*Phomopsis occulta*  
*Puccinia coronata*

## GIBRALTAR (?):

*Heterodera avenae*

## GREECE:

*Helminthosporium turcicum*  
*Ramularia cynarae*  
*Sclerotiopsis concava*

## GUAM:

*Colletotrichum arecae*  
*Gloeosporium catechu*  
*Phomopsis palmicola*

## GUATEMALA:

*Cercospora musae*  
*Hendersonia musae*  
*Heterosporium echinulatum*  
*Omphalia flavida*  
*Stachybotrys atra*  
*Stachybotrys subsimplex*  
*Uredo epidendri*  
*Uredo guacae*  
*Uredo nigropunctata*  
*Uredo oncidii*

## HAWAII:

*Colletotrichum coffeanum*  
*Ophiobolus versisporus*  
*Pestalotia palmarum*  
*Phomopsis cocoas*  
*Phyllosticta cordylinophila*  
*Physalospora rhodina*  
*Septoria dianthi*  
*Tritirachium dependens*  
*Uromyces alyxiae*  
*Xanthomonas begoniae*

## HONDURAS:

*Nigrospora oryzae*  
*Stemphylium botryosum*  
*Uredo epidendri*

## ICELAND:

*Selenophoma donacis* var. *stomaticola*

## INDIA:

*Coleosporium bletiae*  
*Memnoniella echinata*  
*Xanthomonas citri*

## IRELAND:

*Heterodera avenae*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Pseudopeziza trifolii*  
*Urocystis gladiolicola*

## ISRAEL:

*Pseudomonas syringae* (?)  
*Septoria tritici*



## Countries of Origin and Diseases—Continued

## ITALY:

*Aphelenchoides subtenuis*  
*Botryosphaeria berengeriana* var. *araucariae*  
*Colletotrichum agaves*  
*Colletotrichum yuccae*  
*Ditylenchus dipsaci*  
*Heterodera avenae*  
*Heterodera cacti*  
*Heterodera punctata*  
*Leptosphaeria heterospora*  
*Leptosphaeria rusci*  
*Lophodermium minutum*  
*Monilinia fructigena*  
*Mycosphaerella pomi*  
*Ophiostoma narcissi*  
*Phoma limoni* (?)  
*Phyllosticta disciformis*  
*Phyllosticta ruscicola*  
*Physalospora obtusa*  
*Septoria citri*  
*Septoria oleae*

## JAMAICA:

*Myrothecium roridum*  
*Uredo nigropunctata*

## JAPAN:

*Alternaria dianthi*  
*Aphelenchoides ritzema-bosi* (?)  
*Apiospora punctum*  
*Botrytis elliptica*  
*Botrytis gladiolorum*  
*Cercospora pini-densiflorae*  
*Coleosporium solidaginis*  
*Colletotrichum liliacearum*  
*Coniothyrium olivaceum*  
*Cryptovalsa rabenhorstii*  
*Dendrophoma obscurans*  
*Diplodia theobromae*  
*Discosia artocreas*  
*Endoconidiophora fimbriata*  
*Entyloma oryzae*  
*Fusarium oxysporum* f. *gladioli*  
*Gloeosporium foliicolum*  
*Graphis scripta*  
*Gymnosporangium haraeae*  
*Gymnosporangium yamadae*  
*Helminthosporium oryzae*  
*Hendersonia paeoniae*  
*Heterodera cacti*  
*Hypoxyton marginatum*  
*Macrophomina phaseolina*  
*Melanospora zamiae*  
*Meliola citricola*  
*Meloidogyne hapla*  
*Meloidogyne javanica*  
*Memnoniella echinata*  
*Mycosphaerella hondai*  
*Mycosphaerella schoenoprasi*  
*Mycosphaerella tassiana*  
*Neovossia horrida*  
*Nigrospora sphaerica*  
*Ochropsora kraunhiae*  
*Papulaspora parasitica*  
*Pestalotia bicolor*  
*Pestalotia funerea*  
*Pestalotia peregrina*  
*Pezizella lythri*  
*Phaeosphaeria oryzae*  
*Phlyctaena ranunculacearum*  
*Phoma ardisiae*  
*Phoma citricarpa*  
*Pseudomonas marginata*  
*Puccinia chrysanthemi*  
*Puccinia horiana*  
*Puccinia rubigo-vera* var. *tritici*  
*Sclerotiopsis testudinea*  
*Septoria azaleae*  
*Septoria chrysanthemi*  
*Sphaceloma fawcetti*  
*Thielaviopsis basicola*  
*Tritirachium dependens*  
*Uromyces coronatus*  
*Uromyces lespedezae-pro-cumbentis*  
*Uromyces phaseoli*  
*Ustilago esculenta*  
*Xanthomonas citri*

## KENYA:

*Botryosphaeria ribis*  
*Cerebella andropogonis*

## KORROR ISLAND:

*Epicoccum cocos*  
*Xanthomonas citri*

## LEBANON:

*Taphrina deformans*

## LUXEMBOURG:

*Heterodera rostochiensis*

## MADAGASCAR:

*Cerebella andropogonis*

## MAJORCA ISLAND:

*Heterodera cacti*

## MALTA:

*Heterodera cacti*

## MARIANAS:

*Xanthomonas citri*

## MEXICO:

*Aecidium mozinnae*  
*Aschersonia aleyrodis*  
*Ascochyta hesperidearum*  
*Asperisporium caricae*  
*Botrytis gladiolorum*  
*Catacauma sabal* (?)  
*Cercospora coffeicola*  
*Cercospora musae*  
*Cercospora oryzae*  
*Cercospora purpurea*  
*Chaetomella atra*  
*Coleosporium dahliae*  
*Colletotrichum agaves*  
*Colletotrichum erythrinae*  
*Colletotrichum graminicolum*  
*Colletotrichum philodendri*  
*Coniothecium chomatosporum*  
*Coniothyrium stanhopeae*  
*Coryneum carpophilum*  
*Didymium minus*  
*Diplodia ananassae*  
*Diplodia paraphysaria*  
*Entyloma oryzae*  
*Exosporium cactivorum*  
*Fusarium diversisporum*  
*Fusarium oxysporum* f. *cepae*  
*Fusarium oxysporum* f. *gladioli*  
*Fusicladium dendriticum*  
*Gloeosporium philodendri*  
*Glomerella cincta*  
*Helminthosporium oryzae*  
*Hendersonia citri*  
*Hendersonia epidendri*  
*Heterodera avenae*  
*Heterodera cacti*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Heterosporium avenae* (?)  
*Heterosporium echinulatum*  
*Hyponectria aureo-nitens*  
*Leptosphaeria opuntiae*  
*Leptosphaeria sacchari*  
*Macrophoma musae*  
*Meliola citricola*  
*Mycosphaerella advena*  
*Mycosphaerella coffeicola*  
*Neofabrea malicorticis*  
*Nigrospora sacchari*  
*Omphalia flava*  
*Ophiodothella fici*  
*Pestalotia funerea*  
*Pestalotia palmarum*  
*Phoma psidii*  
*Phomopsis capsici*  
*Phyllosticta cacti*  
*Phyllosticta laeliae*  
*Pseudomonas marginata*  
*Pseudopeziza medicaginis*  
*Puccinia anomala*  
*Puccinia baccharidis*  
*Puccinia chrysanthemi*  
*Puccinia graminis* var. *avenae*  
*Puccinia stakmanii*  
*Puccinia versicolor* (?)  
*Septoria carrubi* (?)  
*Septoria chrysanthemi*  
*Septoria guembe* (?)  
*Sphaceloma fawcetti*  
*Sphaceloma mangiferae*

## Countries of Origin and Diseases—Continued

## MEXICO—Continued

*Sphaceloma punicae*  
*Stachylidium theobromae*  
*Stagonospora macrospora*  
*Triposporium stelligerum*  
*Tylenchus allii*  
*Uredo behnickiana*  
*Uredo monsterae*  
*Uredo scabies* (?)  
*Uromyces leptodermus*

## MOROCCO:

*Puccinia glumarum*

## MOZAMBIQUE:

*Phoma citricarpa*

## NATAL:

*Colletotrichum graminicolum*

## NETHERLANDS:

*Ascochyta magnoliae*  
*Botryosphaeria ribis*  
*Botrytis gladiolorum*  
*Cercospora handelii*  
*Cercospora rhododendri*  
*Ceuthospora lunata*  
*Chaetomium contortum*  
*Coniothyrium cytisellum*  
*Coniothyrium hellebori*  
*Coniothyrium viburni*  
*Cylindrocarpon candidum* var. *minus*  
*Dasyscypha virginea*  
*Diplodina rostrupii*  
*Ditylenchus* sp. (undescribed)  
*Exobasidium vaccinii*  
*Fusarium oxysporum* f. *gladioli*  
*Fusicladium pirinum*  
*Fusicladium pyracanthae*  
*Gymnosporangium sabiniae*  
*Heterodera avenae*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Leptosphaeria heterospora*  
*Macrophoma candollei*  
*Mycosphaerella fragariae*  
*Nectria galligena*  
*Pestalotia rhododendri*  
*Phomopsis ambigua*  
*Phyllosticta limbalis*  
*Phyllosticta rhododendri*  
*Pseudomonas marginata*  
*Puccinia coronata*  
*Septoria azaleae*  
*Sporonema oxycocci* (?)  
*Stromatinia gladioli* (?)  
*Thielaviopsis basicola*  
*Ustilago grandis*  
*Volutella buxi*  
*Volutella pachysandricola*

## NEW ZEALAND:

*Colletotrichum liliacearum*  
*Leptosphaeria heterospora*  
*Mycosphaerella pomi*  
*Puccinia chrysanthemi*  
*Sphaceloma fawcetti*  
*Sphaceloma fawcetti* var. *scabiosa*

## NICARAGUA:

*Helminthosporium oryzae*  
*Leptosphaeria oryzina*  
*Phaeoseptoria oryzae*

## NORWAY

*Heterodera punctata*  
*Mycosphaerella brassicicola*  
*Mycosphaerella pomi*  
*Oospora pustulans*  
*Thecopsora areolata*

## OKINAWA:

*Colletotrichum liliacearum*

## PANAMA:

*Macrophoma musae*  
*Phomopsis cocoes*

## PARAGUAY:

*Elsinoe australis*

## PERU:

*Heterodera leptonepia*  
*Heterodera rostochiensis*

## PHILIPPINES:

*Coniothecium chomatosporum*  
*Helminthosporium oryzae*  
*Phoma citricarpa*  
*Phomopsis cocoes*

## PHILIPPINES—Continued

*Puccinia kusanoi*  
*Xanthomonas citri*

## PORTUGAL:

*Cephalosporium roseum*  
*Fusicladium eriobotryae*  
*Monilinia laxa*

## PUERTO RICO:

*Cerospora musae*  
*Cordana musae*  
*Elsinoe phaseoli*  
*Sphaceloma mangiferae*

## SAIPAN:

*Xanthomonas citri*

## SALVADOR:

*Cercospora centrosema*

## SCOTLAND:

*Heterodera avenae*  
*Heterodera punctata*

## SIERRA LEONE:

*Helminthosporium oryzae*

## SOUTH PACIFIC:

*Cytospora palmarum* (?)

## SPAIN:

*Fusicladium pirinum*  
*Heterodera avenae*  
*Monilinia fructigena*  
*Phoma citricarpa*  
*Pleospora herbarum*  
*Pseudomonas maculicola* (?)  
*Puccinia graminis* var. *tritici*  
*Septoria citri*

## SWEDEN:

*Heterodera avenae*  
*Heterodera punctata*  
*Mycosphaerella pomi*  
*Physalospora obtusa*  
*Puccinia graminis* var. *tritici*

## SWITZERLAND:

*Chrysomyxa rhododendri*  
*Heterodera cacti*  
*Meloidogyne javanica*

## TAHITI:

*Coniosporium palmicola*  
*Fusarium lateritium*

## TANGANYIKA:

*Cerebella andropogonis*  
*Sphacelotheca ischaemi*

## THAILAND:

*Fusarium juruanum*  
*Meliola citricola*  
*Mycosphaerella cypripedii*  
*Phyllosticta laeliae*

## TRINIDAD:

*Cercospora musae*  
*Cloeosporium cinctum*  
*Uredo nigropunctata* (?)

## TRUK ISLAND:

*Epicoccum cocos*  
*Xanthomonas citri*

## TURKEY:

*Ascochyta hesperidearum*  
*Ascochyta trigonellae*  
*Cymadothea trifolii*  
*Leptosphaeria heterospora*  
*Macrophomina phaseolina*  
*Monilinia fructigena*  
*Nigrospora sphaerica*  
*Pseudopeziza medicaginis*  
*Pseudopeziza trifolii*  
*Puccinia aeluropi*  
*Puccinia vagans*  
*Selenophoma donacis* var. *stomaticola*  
*Tilletia elmyi* (?)  
*Tilletia panicii* (?)  
*Uromyces striatus* var. *medicaginis*  
*Ustilago bullata*  
*Ustilago penniseti* var. *tonkinensis*

## UNION OF SOUTH AFRICA:

*Heterodera avenae*  
*Heterosporium ornithogali*  
*Macrophomina phaseolina*  
*Phoma citricarpa*  
*Phoma limoni* (?)  
*Phoma rigida* (?)  
*Physalosporina sutherlandiae*  
*Puccinia kalchbrenneriana*  
*Puccinia ornithogali-thyrsoidea*



*Countries of Origin and Diseases—Continued*

## UNION OF SOUTH AFRICA—Continued

*Puccinia penniseti* (?)  
*Puccinia tetragonia* var. *austroafricana*  
*Septoria citri*  
*Sphaerella hyphiseta*  
*Tritirachium dependens*

## UNKNOWN:

*Xanthomonas citri*

## URUGUAY:

*Colletotrichum graminicolum*  
*Elsinoe australis*  
*Fusarium gramineum*  
*Puccinia hydrocotyles*

## VENEZUELA:

*Diplodia paraphysaria*

## WALES:

*Heterodera rostochiensis*

## WALES (?):

*Heterodera avenae*

## YAP ISLAND:

*Epicoccum cocos*

*Mycosphaerella palmarum*

## YUGOSLAVIA:

*Heterodera avenae*

*Phoma eriophorum* (?)







